

This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

#### Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + Refrain from automated querying Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

#### **About Google Book Search**

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at http://books.google.com/





.

# FIRST McCLURE AUTOMOBILE YEAR BOOK

iansp

n13

116-17

Copyright, 1916, by
THE McCLURE PUBLICATIONS, Inc.
New York
All rights reserved

# McCLURE'S



# Automobile Year Book

Published by the
Automobile Department of McClure's Magazine
The McClure Publications, Inc.
McClure Building, New York

Transp. TL 5 M13 9/6-17

#### **FOREWORD**

**7**OU will find listed in this Automobile Year Book all of the important makes of pleasure and commercial vehicles manufactured in the United States. This feature of the book virtually brings to you a big automobile show. Two important articles written for this book will be valued highly by car owners. One is on the care of a motor car and the other gives pertinent and helpful advice on driving a car. These articles are not dry and technical, and they will help every car owner get the utmost pleasure and comfort from the every-day use of his motor car. There are also racing records, a table of horse-power. a table of important sizes of pneumatic tires and a tire inflation table. All important brands of pneumatic automobile tires manufactured in the United States are also listed. Catalog request blanks will be found in the back of the book. Please use them when writing manufacturers for catalogs.

An Automobile Department has been established by McClure's Magazine as a permanent editorial feature. The McClure Automobile Year Book will be issued in the future at the first of each year. It will be sold at the regular price of fifty cents the copy, and may be purchased only through the Automobile Department of McClure's Magazine.

# TABLE OF CONTENTS

Foreword		5
Alphabetical Index		8
Index of Trade Names		10
Care of a Car	:	13
Kinks for Car Converts		
Table of Horse-Power		
Gasoline Passenger Vehicles		29
Electric Passenger Vehicles		149
Gasoline Commercial Vehicles		163
Electric Commercial Vehicles		221
American Speedway Statistics		230
Table of Important Sizes of Pneumatic Tir	es	234
Inflation Table for Pneumatic Tires		235
Pneumatic Automobile Tires		236
Catalog Request Blanks		263

# **ALPHABETICAL INDEX**

#### GASOLINE PASSENGER VEHICLES

PAGES	PAGES
Allen Motor Co	Lexington-Howard Co
Elkhart Carriage & Motor         42           Car Co	Peerless Motor Car Co 122 Pierce-Arrow Motor Car Co
F. I. A. T	Premier Motor Mfg. Co118-119 Pullman Motor Car Co 38 Regal Motor Car Co 36 Reo Motor Car Co 54-55
Great Western Automobile Co. 76 Haynes Automobile Co88-89	Saxon Motor Co43-44 Scripps-Booth Co52
Hudson Motor Car Co 102-104 Hupp Motor Car Co81-83 Inter-State Motor Co 47	Simplex Automobile Co 147 F. B. Stearns Co 90-91 Studebaker Corporation 66-67
Jackson Automobile Co63-65 Thomas B. Jeffery Co68 King Motor Car Co92-93	Stutz Motor Car Co111-112 Velie Motor Vehicle Co 75 Westcott Motor Car Co108-109
Kissel Motor Car Co94-95 Kline Motor Car Corp74 Lewis Spring & Axle Co49-50	The White Co
ELECTRIC PASSE	NGER VEHICLES
American Electric Car Co 161 Anderson Electric Car Co 152 Baker R. & L. Co 156-157 Beardsley Electric Co 150	Milburn Wagon Co
Borland-Grannis Co 155	Woods Motor Vehicle Co. 158-159

# ALPHABETICAL INDEX—Continued.

#### GASOLINE COMMERCIAL VEHICLES

PAGES	PAGES
American-La France Fire	Locomobile Co. of America, 209-210 Mack Bros. Motor Car Co. 204 Packard Motor Car Co. 191-192 Palmer-Moore Co. 178 Peerless Motor Car Co. 205-206 Pierce-Arrow Motor Car Co. 207-208 Reo Motor Car Co. 176-177 Saurer Motor Co. 213 Selden Motor Co. 201-203 Sterling Motor Truck Co. 175 Studebaker Corporation 167 Velie Motor Vehicle Co. 211 Vim Motor Truck Co. 166 Walter Motor Truck Co. 166 Walter Motor Truck Co. 122 The White Co. 180-182 Willys-Overland Co. 164-165
Couple - Gear Freight - Wheel Co	Walker Vehicle Co
PNEUMAT	TIC TIRES
Acme Rubber Mfg. Co	Lancaster Tire & Rubber Co. 248 Lee Tire & Rubber Co. 252 Leather Tire Goods Co. 249 Michelin Tire Co. 251 Midgley Tire & Rubber Co. 252 Miller Rubber Co. 253 Norwalk Tire & Rubber Co. 254 Pennsylvania Rubber Co. 255 Quaker City Rubber Co. 258 Republic Rubber Co. 256 Swinehart Tire & Rubber Co. 257 Thermoid Rubber Co. 258 Tyer Rubber Co. 259 United States Tire Co. 260

#### ,

# **INDEX OF TRADE NAMES**

#### GASOLINE PASSENGER VEHICLES

PAGES	PAGES
Abbott-Detroit 100-101	Lexington
Allen	Locomobile
Apperson 105-106	Lozier
Argo	McFarlan
Auburn	Marion-Handley 80
Austin	Marmon
Briscoe	Maxwell
Buick	Mercer
Cadillac	Mitchell 85
Case	Moline-Knight
Chalmers	Moon
Chandler	National
Chevrolet	Oakland
Cole	Oldsmobile
Cunningham 140	Overland 56-58
Detroiter 51	Packard
Dodge Brothers 48	Paige
Dort	Paterson 53
Elcar 42	Pathfinder
Empire	Peerless
F. İ. A. T	Pierce-Arrow 143-145
Ford	Premier
Franklin	Pullman
Glide	Regal
Grant 45	Reo
Great Western 76	Saxon
Haynes	Scripps-Booth 52
Hollier	Simplex
Hudson	Stearns-Knight
Hupmobile	Studebaker
Inter-State 47	Stutz
Jackson	Velie
Jeffery 68	Westcott
King92-93	White
Kissel-Kar	Willys-Knight 59
Kline-Kar 74	Winton
ELECTRIC PASSE	ENGER VEHICLES
American-Borland 155	Milburn Electric 151
American-Broc 161	Ohio Electric 160
Baker	Rauch & Lang
Beardsley Electric 150	Waverley Electric 154
Chicago Electric153	Woods Electric158-159
Detroit Electric	

# INDEX OF TRADE NAMES.—Continued.

#### GASOLINE COMMERCIAL VEHICLES

PAGES	PAGES
American-La France215-219	Mack
Autocar 200	Overland 164-165
Buick	Packard
Cadillac 185-186	Palmer-Moore 178
Chase	Peerless
Dart	Pierce-Arrow 207-208
Denby	Reo
Federal 195-196	Saurer
G. M. C 179	Selden
G. V. Mercedes	Sterling
Garford 193-194	Studebaker 167
Jeffery	Velie
Kelly-Springfield 197-199	Vim
Kissel-Kar	Walter
Koehler	White
Locomobile 209-210	***************************************
ELECTRIC COMM	ERCIAL VEHICLES
American-Argo 223	Walker
Couple-Gear	Ward Special 222
C V Floatrie 225	

American-Argo 223	Walker
Couple-Gear	Ward Special 222
G V Flortrio 225	•

•



# The Care of a Motor Car

PREMIUM worth from \$100. to \$500. given free with every car! Sounds rather foolish, doesn't it?

If any automobile manufacturer should have the necessary nerve to emblazon that statement in his advertising, a few of his readers might write him immediate letters of inquiry, but the chances are that most of them would mentally consign him to the "booby hatch."

Yet as an actual matter of real fact, not one but all up-to-date automobile manufacturers could so advertise with perfect propriety and truth, and get away with it, because they are doing this very thing. However strange this may seem to you, it is even more incredible, but also absolutely true, that the recipients of these valuable articles rarely, if ever, recognize their value. More frequently they turn up their noses and cast them aside as not worth preserving. This is happening every day.

Now, before you apply that national epithet made famous by our beloved T. R., please have an apology ready. The premium referred to is the Instruction Book that is furnished with every new automobile. Were it carefully read and followed, it would save the owner many unnecessary and expensive repair bills, many days without the use of his car and not a few distressing entries on his page of the recording angel's ledger.

Here's a real problem in psychology. Why will a man spend days, week or months in selecting a car, invest a goodly sum of this world's goods to become its owner and then omit to spend a

few short hours in learning how to handle his purchase so as to get from it the unfailing service that the maker has put into it and that every car owner desires? An unanswerable question. It is a conundrum that has puzzled some of the most symmetrical and well-balanced heads devoted to the manufacture and sale of automobiles.

Aug C

It is a curious commentary on human nature that automobile manufacturers find it necessary to spend thousands of good dollars every year in attractively dressing up their Instruction Books so as to tempt the car owner into acquiring some few rudiments of automobile care; as for example, that the cooling system is inoperative in the absence of water, that the clutch is designed to accelerate the car smoothly and not hoppingly like a kangaroo, and above all, that it is not axiomatic, that because certain grease cups and oil holes are of necessity somewhat inaccessible, they can be supplied with lubricant by the absent treatment.

The average car owner looks on the Instruction Book as a kind of first-aid-to-the-injured cabinet of wisdom, a good thing to have at hand in case trouble develops. He cannot seem to get the idea that the real function of an Instruction Book is to prevent trouble rather than simply to assist in its diagnosis and cure.

It is true that car builders, after many years of endeavor, have gone far toward eliminating the necessity for instruction books by building cars that call for hardly human intelligence on the part of their owners, but there still remains the need that the work of those clever automobile engineers should be supplemented by reasonable care and attention on the part of car owners.

Now here's some real meat on car care, which may for convenience be considered under two general headings.

#### Maintenance—Keeping the Car Itself In Condition

First, may be considered the conservation of the fabric of the car, so that it will do its work smoothly, efficiently and uninterruptedly over a period of sober, serviceable years, instead of being consumed in a colorful but costly career lasting only for a few strenuous repair-shop-seeking months.

#### Operation—Cost of Getting Over the Road

Second, the car owner who wishes to get full value for his money should give considerable thought to reducing operating expenses by avoiding waste of fuel and lubricants. He must also avoid wasting any of the useful life of those parts of the car which are naturally subject to wear and tear and which require periodic renewal. The most important of these from the point of view of operating expenses are the tires and the storage battery, which on the modern car furnishes current for starting, lighting and ignition.

#### How Car and Care are Related

Now back to our first consideration. With respect to the conservation of the fabric of the car, it may be a disagreeable surprise to many car owners to learn that in the opinion of car manufacturers, progressive repairmen and others whose experience should qualify them to speak with authority, fully one-half of the service value of most cars is frittered away because of neglect by the owner of elemental care. That is certainly some bump to our pride, but, unfortunately, it is true.

#### Lubrication—the First Auto Habit

This neglect is not so often wilful as ignorant—the average car owner having never taken the pains to determine the boundary line between reasonable use and abuse. Automobile, meaning "moves itself," does not mean "cares for itself." In the department of lubrication the average owner feels that if he supplies oil and grease with reasonable fidelity, it is quite permissible for him to be occasionally neglectful. Here's where he slips. The wear in a bearing run dry for however short a period cannot be made good by any amount of subsequent lubrication. A fact worth remembering.

Call him a "crank" if you will—but here's how one car owner solved the lubricating problem:

He had made a hundred copies of the lubrication chart shown in his instruction book. He hung these on a clip in his garage and at regular intervals went over his car applying oil or grease at all points as indicated on the chart, checking each oil or grease cup on the chart as he applied the lubricant. He then hung in a conspicuous place on another clip the chart he had checked after having dated it, the date to be used as a reminder of the next time for oiling.

All parts must be kept lubricated at all times. This is the firs and most important rule of car care.

#### Those Little Adjustments and Repairs

Next in importance to lubrication comes the making of minor adjustments and repairs as soon as the need for them is noted. The homely old saying, "A Stitch in Time Saves Nine," applied right here. Not only does the habit of prompt repair of minor wear and tear contribute to the long life and reliable operation of the car, but it is also the best kind of safety insurance. Righthere it must be said that a suit of overalls and a pair of cheat gloves are one of the best investments an autoist can make.

Every car driver writes a section of his autobiography on and into the fabric of the automobile he drives. It is writing that is familiar to and decipherable by every repair man. It is ofter pretty sad reading. The repairman finds it on the scored walls of engine cylinders, telling of failure to replenish the crank case oil, or perhaps on the misshapen corners of transmission gears mute yet eloquent witnesses to the dragging clutch that made every gear change a harrowing episode, and which ten minutes work would have adjusted, but which was neglected day after day. And he finds it in broken springs and strained axles, ir frost-cracked cylinder jackets and in all the grease-starved, worr and noisy loose joints and bearings of brakes and brake rods, or radius rods, of steering connections and of those many other little-regarded, out-of-the-way parts where, in the operation of the car, metal moves against metal.

#### Water and Paint

Chassis care and upkeep contribute to good operation. Care and upkeep of the body, top and, in fact, the entire finished surface of the car, contribute to a continued good appearance Paint and varnish are preserved by frequent and careful washings and especially by occasional applications of some one of the many reliable preparations which protect and give new life to the finish. Apart from appearances, the paint and varnish pre-

serve the body by preventing the absorption of moisture, which will quickly enter through paint cracks and rot away the wooden framing.

#### Out On the Road

Judicious operation of the car on the road will also help in no small way to conserve the bank account of the owner. All parts of the car are necessarily made as light as the service required of them permits, yet with strength to withstand all necessary strains with a reasonable factor of safety. Even legitimate emergency conditions have been given consideration. But to run a heavily loaded car over rough roads at high speed, to stop and start violently, and the like, cannot fail to subject the parts to excessive and unnecessary strains. The parts so strained may not immediately give way, but the best of steel, like human flesh, is subject to fatigue and deterioration when its strength is overtaxed.

#### Gas—How Many Miles Per Gallon?

Let us now take up the second heading of car care. In view of the mounting price of gasoline, the subject of fuel economy has become of vital importance. The American motorist can, however, take such cold comfort as he can find in the thought that his brothers over-seas have for a number of years paid even higher prices for their fuel. Because of this more attention has in the past been paid to fuel economy abroad than has been paid here, where the lower cost of fuel has permitted us to subordinate economy to ease of starting, flexibility, freedom from the necessity of frequent carburetor adjustment and matters of this kind. With gasoline promising to reach an even higher level in the near future, automobile manufacturers will undoubtedly apply themselves to reducing fuel consumption per mile. In a large part, this can be accomplished only by more accurate adjustments of mixture. To maintain the higher standard of economy which can thus be reached, it will be necessary for the car owner to supplement the work of the manufacturer and engineer by frequent checking of fuel consumption and prompt correction of any derangement of adjustment. There are few cars now running over the roads of this country whose performance from the point of view of fuel consumption couldn't be

greatly improved if the car owner were willing to give the matter a little study. Care in the selection and use of cylinder oil, grease and lubricants generally will also pay good dividends in better performance of the car and the saving of many a dime.

#### Tires-Four on Every Car

Another big opportunity for the thrifty motorist is the saving that can be effected by proper care of tires. Statisticians tell us that the yearly bill for tires in this country alone is in the neighborhood of \$140,000,000, and that \$40,000,000 of this is wasted—the price of underinflation, overloading, neglect of small cuts and other forms of tire abuse.

"I'll pump it up later," is a thief that has dug deep into the pockets of many motorists. Every motorist should own a tire gauge and religiously keep his tires inflated to the proper pressure.

Pleasure cars are frequently overloaded. Oversized tires generally give more value as a return than the extra money which they cost. A slightly overloaded tire will depreciate much faster than most people would suppose.

Too many motorists have formed the habit of relying on their ability to obtain an adjustment to protect them from the consequences of their own neglect. Tire manufacturers generally deplore the fact that the adjustment policy has become so firmly fixed upon the industry. It was adopted years ago when tire making was not the exact science that it is to-day. Defective tires were not uncommon, and the tire manufacturer was not only willing but anxious to make good the defects he was powerless to prevent. Now-a-days a really defective tire is seldom turned out by a reputable manufacturer. But although the need for it no longer exists, the adjustment policy has become, as most tire manufacturers and many motorists realize, a kind of vicious circle. So many claims for adjustment are made on account of low mileage due to abuse rather than a defect in the tire, that the tire manufacturer is, in self-defense, obliged to make provision for adjustments in fixing his prices. This means that the careful and conscientious tire user is paying for the neglect of the careless tire user. Motorists and tire manufacturers alike recognize and deplore this condition. It is to be hoped that tire manufacturers will get together in the near future and abolish what has become a real evil. The adjustment policy is an evil because it fosters tire neglect. It should be done away with and the present cost of adjustment taken off tire prices. In no other way can proper tire care be really encouraged and a large part of that \$40,000,000 annual tire wastage saved.

#### That Much and Often Abused Storage Battery

One of the greatest improvements made in automobiles was the elimination of hand cranking and the introduction of electric starters. You are willing to admit that a car without an electric starter is only half a car. You depend on your starter, but remember that your starter depends upon a storage battery.

Poor battery. Because it is usually hidden under the seat or in some other out of the way place, it seldom gets the little attention it requires and the proper compensation for all the hard work it does-and it's only a little care that a storage battery really needs. Proper, and the right amount of, food and an occasional drink about covers it. Its food consists of electric current fed to it by the generator. Whether or not it is receiving proper nourishment can be easily and quickly determined by a hydrometer syringe, which registers the specific gravity of the solution in the cells. A healthy battery should show a gravity of between 1.250 and 1.300. For a drink a storage battery always prefers distilled water (never acid) about once in two weeks sufficient water to just cover the tops of the battery plates. Remember the water in the solution gradually evaporates, but never the acid. A battery should also be kept clean and dry-even though it is not exposed to view.

And while discussing the electrical system for starting, lighting or ignition, it should be added that in case of any trouble the first thing to do is to carefully examine all of the wiring. All contacts should be kept clean and bright, with all terminals and connections screwed tightly in place. Examine carefully to be sure none of the insulation has been rubbed or burned from the wires.

#### The Dollars and Sense Side

What is the life of a motor car? Does it pay to spend time and money in caring for a car or is it more economical to buy a car, "run it out" and then replace it? How should a motorist handle a car in order to get the maximum service at a minimum cost? These are pertinent questions in connection with the care of a car.

The experience of one of the largest automobile operating companies in the country will perhaps best answer these questions. A study of this subject by expert engineers over a period of a number of years proved that the life of an automobile is practically indefinite provided it is given proper care and at tention. A dollar saved by omitting to make good ordinary wear and tear in due season is almost sure to result in two dollars' loss in the service and therefore the resale value of a car.

There is hardly a motorist who cannot call to mind some friend or acquaintance who is to-day running a car of the vintage of 1910 or 1912 and who is getting out of it as reliable and economical service as he did when the car was new. An investigation will always prove that such owners are giving prompt and careful attention to all details of the car and that any troubles that may develop are given immediate and intelligent attention. This much is certain—good care means reliable service and long life.

# Kinks for Car Converts

#### Safety First

If there is any place where "Safety First" should be printed in fiery red letters, it is on the windshield of every new car turned over by a dealer to an inexperienced driver. Just because driving a car looks like such a cinch, too many new drivers take big chances, many of which result seriously.

It is during these early stages of the game that it's wise to formgood auto habits, to become familiar with the rules of the road, the functions of various parts of the car, what to do and what not to do in emergencies, etc., so that accidents will be avoided, costly repairs eliminated and particularly so that the wear and tear on the car from improper and rough treatment may be at least minimized.

Take your time—look out for pedestrians—don't speed—give plenty of room—use your warning signal—these are a few of the fundamentals.

Now let us go a little further and consider some of those things that are not usually found in instruction books.

#### Good Form

To make a beginning, has it ever occurred to you that in the driving of a motor car there is such a thing as good form and bad form? Have you ever asked yourself what kind of an appearance you present as you sit at the wheel? If you were learning equestrianism, you would confine your exercises to the retired precincts of a riding academy, until you could venture forth without bringing a blush of shame to the face of your horse. Motor car driving is a newer art and one to the finer parts of which, it is unfortunately true, too little attention has been paid by its devotees.

What constitutes good form in motor car driving begins with the driver's position in his seat. Cultivate a natural position. Don't try to convey the idea of ennuied insousciance by sitting on your collar button with one leg draped over the steering wheel. On the other hand avoid a strained and agonized attitude and expression suggesting that disaster, sudden and complete, is staring you in the face. Even experienced motorists find themselves unconsciously driving with tense muscles. Cultivate the habit of saying to yourself occasionally, "relax," and you will find the fatigue of driving very considerably reduced. Remember the back on the seat has a purpose. Sit back and enjoy it. Don't sit out on the front edge as though you were getting ready to make a hasty get-away in case the car got the best of you.

The hands should grasp the lower portion of the steering wheel rim, the palms downward. A trial of this as compared with other positions will show how much more effectively the wheel can be operated. Keep the elbows down—it adds nothing to your control over the car to simulate a chicken in full flight.

#### About Brake and Lever

Teach your hand to fall unerringly on the transmission lever and, if your car is so equipped, on the emergency brake lever—the latter especially. In this connection it is an excellent idea to use the emergency rather than the foot brake as frequently as possible, as it is only in this way that you can acquire the prompt and efficient control of the emergency brake which at some time may save you a serious accident.

Keep your feet in front of you and let them know their duties thoroughly. To the novice it sometimes seems that from the point of view of the pedal dexterity required, a motor car has nothing on a pipe organ. It will do no harm for him to carry this analogy a little further and teach his feet to play upon the control pedals of his car with the same certainty of touch and delicacy of control that those of an organist devote to the masterly rendition of a Bach fugue. And again, no matter what the thermometer says, don't wrap those cold feet of yours so snugly in a robe that they are not free to do their part at an instant's notice.

#### Do Your Part

Now for a few hints on the actual driving of the car. First of all remember that, in taking your place in the driver's seat, you are assuming a certain responsibility to yourself, to those who ride with you and to all those whom you may encounter on the road. If every motorist would do this the prevailing rates for accident insurance could be cut in two.

Next learn as soon as possible that one big difference between the good and the bad driver is that the brain of the former is at work on the road well in advance of his car, while that of the latter is busy in the vicinity of the radiator, if not indeed somewhere on the dusty road behind.

Let your thinking personality approach every cross road, turn every corner and encounter every other user of the highway about seven jumps ahead of your car. To the good driver this quickly becomes second nature. When you encounter other vehicles or pedestrians remember the secret of "Eddie" Collins' success as a ball player. Ask yourself what you would do were you in the other fellow's place. But don't follow "Eddie's" example to the extent of making a practice of doing yourself what the other fellow is not expecting you to do.

Keep your car under control and remember that the real definition of control is this—that the speed or method of operation should never be such as to make it impossible to bring the car to a safe stop within the clear road space that lies before it.

#### Skidding

Powerful brakes in good order are essential, but equally so is a knowledge of their use. The best driver is the one who uses his brakes the least. When on a slippery street you see a car executing a pirouette worthy of a Pavlowa it usually means that the driver has much to learn about brake manipulation. Perhaps the most difficult time in which to properly use brakes is on a slippery street in order to avoid skidding. Skidding has taken the nerve of more than one motorist and has dug deep holes into the pocket books of many. The man who starts out on a wet, snowy or rainy day without his wheels equipped with a set of four chains (four-because it's a most wise plan to slip them on the front wheels as well as the rear) and as a result has a bad skid which smashes a wheel or perhaps worse, has only himself to blame. A driver has no more right not to always carry on his car a set of chains than to drive at night without lights. Would you start out on a rainy day without an umbrella? Don't start

out with your car on a wet day without chains in place. One auto sage says, "No other device has done so much to raise the factor of automobile safety as tire chains."

Old Sol may, however, be shining forth in all his glory as you leave home in the morning, and the streets as dry as W. J. B.'s dinner table, but after riding a few blocks you strike a section of wood block pavement where the sprinkler has been on the job. Have a care—have a care. First—drive slowly over this wet stretch. Not that speed will do any harm, but suppose you must make a sudden stop. Therein lies real danger indeed. In applying your brakes to bring your car to a stop, go easy. Do not apply them with force, as it will simply lock the rear wheels and away you go. Should the wheels become locked and the car start to skid, quickly turn the front wheels sharply in the same direction as the rear ones are skidding.

If your brakes fail to hold when descending a steep grade, you can check your speed with the engine by releasing the clutch, switching off the ignition, throwing in the intermediate gears and allowing the clutch to engage very slowly.

#### Signals—When and When Not

The twelfth commandment of "Hoyle on Automobiles" reads
—"Thou shalt equip thy motor car with a warning signal." This
was written primarily for the protection of those who are politely
specified as pedestrians.

You have doubtless seen the driver who never takes his hand from the button or bulb fearing that he might thus lose an opportunity of attracting the attention of some person who in passing might not pay sufficient attention to his car. Or perhaps you have seen the driver who imagines he is a "regular devil" by trying to frighten every woman or child he meets.

Here's a good rule—the less a warning signal is used the better. In approaching a street crossing it is a better plan to slow down and run slowly, keeping your eyes on the persons who are trying to cross the street, rather than to approach a corner at high speed and then suddenly to sound your signal. The latter plan is apt to so frighten a pedestrian that he starts to dodge back and forth, with the result that an accident may easily occur. Remember, however, that when a warning signal is necessary it should

be a real signal and not an ineffective squeak. It is better, of course, to frighten a man than to run over him.

There are many proper uses for signals. For instance, in approaching a corner where a view of the intersecting street is blocked by a building, or in passing another car that is just ahead, a signal should always be sounded.

#### That Noisy Cut-Out

And while discussing signals, let it be said for the benefit of some folks that the creator of the automobile never intended the muffler cut-out to be used as a signal. The real use for a cut-out is to know by the sound whether the engine is hitting evenly on all of the cylinders. The man who rides with a foot on the cut-out displays his ignorance of, instead of his acquaintance with, real and proper motor car manipulation.

And now for a few kinks concerning various parts of a car which it is surely wise for the new or recent car owner to carefully store away for future use.

#### Tires

Start out with the conviction, which wide experience has proven without a shadow, that it is a most wise procedure to watch your tires. You can get long or short life from tires—it's right up to you. The first rule is—always be sure your tires are properly blown up. Don't just give them a kick with your foot to decide whether more air is needed. A tire gauge, small but very handy and inexpensive, will save you many a dollar. Get it and then use it. A good rule to remember is that tires require 20 lbs. pressure to each inch in diameter. Also never start out without an inner tube or two tucked under a seat, and an extra shoe somewhere within reach.

#### The Storage Battery

You couldn't get along without your electric starter. If it will not crank the engine, the chances are that the battery is exhausted through lack of sufficient charge. Don't blame the battery—its duty is to store energy, and it cannot store what is not supplied to it.

The electric generator should keep the battery charged. You can ascertain whether or not it is doing so by testing the battery

from time to time by means of a hydrometer syringe. You will find it well worth your while to obtain one of these inexpensive instruments and to follow carefully the instructions for its use which accompany it. About every two weeks fill the cells with distilled water, but never add acid. If your battery is properly charged and the cells filled, it will usually give you good service.

#### Of Extreme Importance—Lubrication

And a word or two on lubrication—because lack of proper lubrication has ruined or shortened the life of more self-respecting, good-intentioned automobiles than any other one thing. Too much oil in the engine causes smoke and tends to deposit carbon in the cylinders—too little oil, of course, causes friction and friction means wear. Too much, or too thin, oil in the differential is very apt to run through on the brake linings and make the brakes of no effect. Get busy and study that lubrication chart in your instruction book—find out where to oil, how often to oil and the proper grade of oil to use.

#### Stalling

Sometimes an engine stalls. If this happens on an up grade put on the foot brake and then immediately the emergency brake—then disengage your gears. The emergency brake should hold the car regardless of the grade. Now start your engine again; next throw out your clutch; throw gears in low speed; put on foot brake hard to hold the car, and then release emergency brake Now you are ready to start—race the engine a little to insure its not stalling again, and while doing so release the foot brake slowly, at the same time engaging the clutch slowly. You are now going again and can change speeds as necessary.

#### Coasting

In running down a hill it is sometimes economy to open the ignition switch and let the engine stop, leaving the gears in mesh, but freeing the engine by throwing out the clutch. When near the foot of the hill, close the switch, throw in the clutch very gradually, at which time the engine will start again. If the hill is steep slow down the car, release the clutch, throw into low gear, open the ignition switch and to check speed re-engage clutch slowly. In this way the engine is available and can be used as a brake if

needed. Always remember when shifting from a higher to a lower gear to speed up the motor with the clutch out so it will take up the lower gear without straining the mechanism.

#### Old "Pals"

These are a few kinks that may come useful: It's well for the new driver to remember that until he and his car have become old pals, they may play false to one another and most probably through ignorance. (No offense intended.)

It is well to remember that an automobile is a piece of machinery, made up of many parts, carefully and accurately adjusted, and that each part has a definite purpose to perform.

Every car owner should carefully read his instruction book and study his car. A familiarity with the machine, a little practice out on the road (at first a thoroughfare far from bright lights, high buildings or asphalt pavements) and a little of that highlyprized characteristic commonly designated as horse sense, will soon enable nearly any human being to enter society under the full-fledged name of motorist.

#### N. A. C. C. HORSE-POWER RATING

The standard horse-power rating, formerly known as the A. L. A. M. Rating, has been officially adopted by the National Automobile Chamber of Commerce, Inc.

The formula adopted is  $\frac{D^3xN}{2.5}$ . D is the cylinder bore in inches, N the number of cylinders, and 2.5 a constant, based on the average view of eminent engineers as to a fair, conservative rating for a four-cycle motor at one thousand feet per minute piston speed.

TABLE OF HORSE-POWER FOR USUAL SIZES OF MOTORS

lns.	2 Cyls.	4 Cyls.	6 Cyls.	8 Cyls.	12 Cyls
2½ 25/8	5.00	10.00	15.00	20.00	30.00
25/8	5.50	11.03	16.54	22.05	33.08
23/4	6.00	12.10	18.15	24.20	36.30
21/8	6.62	13.23	19.84	26.45	39.68
3	7.20	14.40	21.60	28.80	43.20
$\frac{3\frac{1}{8}}{3\frac{1}{4}}$	7.81	15.63	23.44	31.25	46.88
31/4	8.50	16.90	25.35	33.80	50.70
33/8	9.12	18.23	27.34	36.45	54.68
31/2	9.80	19.60	29.40	39.20	58.80
35/8	10.50	21.03	31.54	42.05	63.08
33/4	11. <b>25</b>	22.50	33.75	45.00	67.50
33/4 37/8	12.00	24.03	36.04	48.05	72.08
4	12.80	25.60	38.40	51.20	76.80
41/8	13.62	27.23	40.84	54.45	81.68
41/4	14.50	28.90	43.35	57.80	86.70
43/8	15.31	30.63	45.94	61.25	91.88
4½ 45/8	16.20	32.40	48.60	64.80	97.20
45/8	17.12	34.23	51.34	68.45	102.68
43/4	18.00	36.10	54.15	72.20	108.30
4 1/8	19.00	38.03	57.04	76.05	114.08
5	20.00	40.00	60.00	80.00	120.00
51/8	<b>21</b> . <b>00</b>	42.03	63.04	84.05	126.08
$5\frac{1}{4}$	<b>22</b> .00	44.10	66.15	88.20	132.30
5 <sup>1</sup> / <sub>4</sub> 5 <sup>3</sup> / <sub>8</sub>	23.00	46.23	69.34	92.45	138.68
5½ 558 534	24.20	48.40	72.60	96.80	145.20
$5\frac{5}{8}$	<b>25</b> .31	50.63	75.94	101.25	151.88
$5\frac{3}{4}$	26.50	52.90	79.35	105.80	158.70
51/8	<b>27</b> . <b>62</b>	55.23	82.84	110.45	165.68
6	28.80	57.60	86.40	115.20	172.80

ILLUSTRATIONS AND SPECIFICATIONS GASOLINE PASSENGER VEHICLES

	•		

### FORD Touring CAR



#### FORD MOTOR COMPANY, Detroit, Michigan

Color, Black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 100 inches GAUGE, Standard 56 inches WHEELS, Wood Front Tires, 30  $\times$  3 inches REAR TIRES, 30 x 31/2 inches SERVICE BRAKE, Contracting band on tranmission brake drum EMERGENCY BRAKE, Expanding shoe inside of rear wheel hub brake drum CYLINDERS, Four ARRANGED, Vertically Cast, En bloc Horsepower, 22.5 (N. A. C. C. Rating)

Bore and Stroke, 334 x 4 inches

Lubrication, Combination gravity and splash system

Radiator, Tubular

Cooling, Thermo-syphon

Ignition, Special Ford design magneto

Lighting System, Oil and electric

Wiring System, Single

Gasoline System, Gravity

Clutch, Multiple steel disc operating in oil

Transmission, Special Ford spur planetary type

Drive, Bevel

Steering Gear, Ford planetary reduction gear system

	Price, Touring	\$440	
2-Passenger	Runabout\$390	5-Passenger Sedan	
2-Passenger	Couplet 590	6-Passenger Town	Car 640

# FORD Touring CAR



#### FORD MOTOR COMPANY, Detroit, Michigan

COLOR, Black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 100 inches GAUGE, Standard 56 inches WHEELS, Wood FRONT TIRES, 30 x 3 inches REAR TIRES, 30 x 31/2 inches SERVICE BRAKE, Contracting band on tranmission brake drum EMERGENCY BRAKE, Expanding shoe inside of rear wheel hub brake drum CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 22.5 (N. A. C. C. Rating)

Bore and Stroke, 3½ x 4 inches

Lubrication, Combination gravity and splash system

Radiator, Tubular

Cooling, Thermo-syphon

Ignition, Special Ford design magneto

Lighting System, Oil and electric

Wiring System, Single

Gasoline System, Gravity

Clutch, Multiple steel disc operating in oil

Transmission, Special Ford spur planetary type

Drive, Bevel

Steering Gear, Ford planetary reduction gear system

# FORD Sedan



# FORD MOTOR COMPANY, Detroit, Michigan

Color, Black SEATING CAPACITY, Five persons Position of Driver, Left Side WHEELBASE, 100 inches GAUGE, Standard 56 inches WHEELS, Wood FRONT TIRES, 30 x 3 inches REAR TIRES, 30 x 31/2 inches SERVICE BRAKE, Contracting band on transmission brake drum EMERGENCY BRAKE, Expanding shoe inside of rear wheel hub brake drum CYLINDERS, Four ARRANGED, Vertically Cast, En bloc Horsepower, 22.5 (N. A. C. C. Rating)

BORE AND STROKE, 334 x 4 inches

LUBRICATION, Combination gravity and splash system

RADIATOR, Tubular

COOLING, Thermo-syphon

IGNITION, Special Ford design magneto

LIGHTING SYSTEM, Oil and electric

WIRING SYSTEM, Single

GASOLINE SYSTEM, Gravity

CLUTCH, Multiple steel disc operating in oil

TRANSMISSION, Special Ford spur planetary type

DRIVE, Bevel

STEERING GEAR, Ford planetary reduction gear system

	Price,	Sedan	. <i></i> \$	740
2-Passenger	Runabout	\$390	5-Passenger	Touring\$440
2-Passenger	Couplet	590	6-Passenger	Town Car 640

# ARGO ROADSTER



## ARGO MOTOR COMPANY, Inc., Jackson, Michigan

COLOR, Body, Brewster green; wheels, black SEATING CAPACITY, Two persons Position of Driver, Left side Wheelbase, 96 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 30 x 3 inches REAR TIRES, 30 x 3 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Contracting on transmission CYLINDERS, Four ARRANGED, Vertically CAST, En bloc

BORE AND STROKE, 31/8 x 4 inches

LUBRICATION, Splash with circulating pump RADIATOR, Cellular Cooling, Thermo-syphon Ignition, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Twelve WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Progressive sliding GEAR CHANGES, Two forward, one reverse DRIVE, Plain bevel HORSEPOWER, 15.63 (N. A. C. C. Rating)

BORE AND STROKE, 31/4 x 4 inches

REAR AXLE, Semi-floating

STEERING GEAR, WORM

> PRICE INCLUDES top, top hood and windshield

# CHEVROLET Four Ninety—TYPE 490



## CHEVROLET MOTOR COMPANY OF MICHIGAN, Flint, Michigan

COLOR, Ebony black

SEATING CAPACITY, Five persons

POSITION OF DRIVER, Left side

WHEELBASE, 102 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 30 x 3 inches

REAR TIRES, 30 x 3½ inches

SERVICE BRAKE, Rear wheels

EMERGENCY BRAKE, Internal expanding

CYLINDERS, FOUT

ARRANGED, Vertically

CAST, En bloc

HORSEPOWER, 21.74 (N. A. C. C. Rating)

BORE AND STROKE, 3 11/16 x 4 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Cellular

COOLING, Thermo-syphon

IGNITION, High-tension magneto

STARTING SYSTEM, Single unit

STARTER OPERATED, Gear to fly wheel

LIGHTING SYSTEM, Gas

GASOLINE SYSTEM, Gravity

CLUTCH, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward, one reverse

DRIVE, Plain bevel

REAR AXLE, Three-quarters floating

STEERING GEAR, Spur gears and sector

PRICE INCLUDES top, top hood and windshield Electric Lighting and Starting.

# CHEVROLET Baby Grand—TYPE H-4



#### CHEVROLET MOTOR COMPANY OF MICHIGAN, Flint, Michigan

Color, Body and wheels, Chevrolet green; chassis and fenders, black SEATING CAPACITY, Five persons Position or Driver, Left side WHEELBASE, 106 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 31/2 inches REAR TIRES, 32 x 31/2 inches, anti-skid SERVICE BRAKE, Rear wheels EMERGENCY BRAKE, Internal expanding CYLINDERS, Four ARRANGED, Vertically CAST, En bloc HORSEPOWER, 21.74 (N. A. C. C. Rating) BORE AND STROKE, 3 11/16 x 4 inches LUBRICATION, Splash with circulating

RADIATOR, Cellular Cooling, Thermo-syphon Ignition, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single; double on starting motor GASOLINE SYSTEM, Pressure CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Semi-floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

# **REGAL Touring CAR—E**



## REGAL MOTOR CAR COMPANY, Detroit, Michigan

COLOR, Body and wheels, blue; fenders and hood, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 106 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 30 x 31/2 inches REAR TIRES, 30 x 31/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc HORSEPOWER, 19.6 (N. A. C. C. Rating) BORE AND STROKE, 31/2 x 4 inches

LUBRICATION, Splash with circulating pump RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Twelve WIRING SYSTEM, Double GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse Drive, Plain bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer and demountable rims

Price, 5-Passenger Touring \$650 Roadster ......\$650

# **DORT Touring CAR—5**



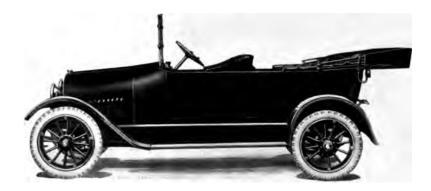
#### DORT MOTOR CAR COMPANY, Flint, Michigan

Color, Dark green and black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 105 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 30 x 31/2 inches REAR TIRES, 30 x 31/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 16.9 (N. A. C. C. Rating) BORE AND STROKE, 31/4 x 5 inches

LUBRICATION, Splash with circulating pump RADIATOR, Tubular Cooling, Thermo-syphon Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly-wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AxLE, Three-quarters floating STEERING GEAR, Worm and nut

PRICE INCLUDES top, top hood, wind-shield, speedometer and demountable rims

## **PULLMAN 1916 FOUR**



## PULLMAN MOTOR CAR COMPANY, York, Pennsylvania

Color, Optional SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 114 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 31 x 4 inches, anti-skid REAR TIRES, 31 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc HORSEPOWER, 22.5 (N. A. C. C. Rating) BORE AND STROKE, 33/4 x 41/4 inches

LUBRICATION, Splash with circulating pump RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Starting, twelve; lighting, six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Full floating STEERING GEAR, Worm and wheel

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock and demountable rims

Price, 5-Passenger ......\$740 2-Passenger Roadster ...... 740 

# **BRISCOE** Touring CAR—4-38



#### BRISCOE MOTOR COMPANY, Inc., Jackson, Michigan

Color, Body, royal Briscoe green; running gear, black; wheels, cream SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 114 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 31/2 inches REAR TIRES, 32 x 31/2 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST. En bloc HORSEPOWER, 18.9 (N. A. C. C. Rating) BORE AND STROKE, 3 7/16 x 51/8 inches

LUBRICATION, Splash with circulating pump RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Chain to transmission shaft LIGHTING SYSTEM, Electric VOLTAGES, Starting, twelve; lighting, six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Full floating STREETING GRAR, Worm and sector

PRICE INCLUDES top, top hood, wind-shield, speedometer and demountable rims

Price, 5-Passenger Touring \$750

# **BRISCOE** Touring CAR—8-38



## BRISCOE MOTOR COMPANY, Inc., Jackson, Michigan

COLOR, Body, royal Briscoe green; running gear, black; wheels, cream SEATING CAPACITY, Five persons POSITION OF DRIVER, Lett side WHEELBASE, 114 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 31/2 inches REAR TIRES, 32 x 31/2 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight ARRANGED, V-type, 90 degrees HORSEPOWER, 28.8 (N. A. C. C. Rating) BORE AND STROKE, 3 x 31/2 inches

LUBRICATION, Full force feed RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Chain to transmission shaft LIGHTING SYSTEM, Electric VOLTAGES, Starting, twelve; lighting, six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Full floating Steering Gear, Worm and sector

PRICE INCLUDES top, top hood, windshield, speedometer and demountable rims

Price, 5-Passenger Touring \$950

3-Passenger Cloverleaf Roadster ......\$950

# **ALLEN Touring CAR—37**



#### ALLEN MOTOR COMPANY, Fostoria, Ohio

Color, Body, olive green; running gear, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 112 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 31/2 inches REAR TIRES, 32 x 31/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc HORSEPOWER, 22.5 (N. A. C. C. Rating)

BORE AND STROKE, 334 x 5 inches LUBRICATION, Splash with circulating pump RADIATOR, Tubular Cooling, Water . Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Plain bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, Touring Car.....\$795 Roadster .....\$795

# **ELCAR** Touring CAR—A



#### ELKHART CARRIAGE AND MOTOR CAR COMPANY, Elkhart, Ind.

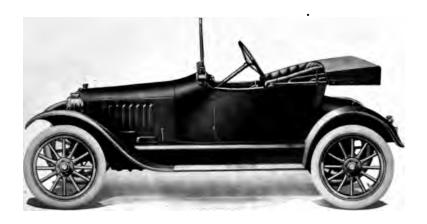
Color, Body, black; running gear, gray SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 114 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 31/2 inches REAR TIRES, 32 x 31/2 inches, anti-skid SERVICE BRAKE, Expanding on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 19.6 (N. A. C. C. Rating) BORE AND STROKE, 31/2 x 5 inches

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

LUBRICATION, Splash with circulating pump RADIATOR, Tubular Cooling, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Starting, twelve; lighting, six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Plain bevel REAR AXLE, Full floating STEERING GEAR, Worm and sector

Price, 5-Passenger Touring \$795

## SAXON Roadster—14



#### SAXON MOTOR COMPANY, Detroit, Michigan

COLOR, Body, green or blue; running HORSEPOWER, 12.10 (N. A. C. C. Rating) gear, black BORE AND STROKE, 23/4 x 4 inches SEATING CAPACITY, Two persons LUBRICATION, Splash with circulating pump POSITION OF DRIVER, Left side RADIATOR, Cellular WHEELBASE, 96 inches Cooling, Thermo-syphon GAUGE, 54 inches IGNITION, Dry cells WHEELS, Wood LIGHTING SYSTEM, Gas FRONT TIRES, 28 x 3 inches GASOLINE SYSTEM, Gravity REAR TIRES, 28 x 3 inches CLUTCH, Dry multiple disc SERVICE BRAKE, Contracting on rear wheels TRANSMISSION, Selective sliding EMERGENCY BRAKE, Expanding on rear GEAR CHANGES, Three forward, one rewheels verse CYLINDERS, Four DRIVE, Plain bevel ARRANGED, Vertically REAR AXLE, Semi-floating Cast, En bloc Steering Gear, Gear and sector

PRICE INCLUDES top, top hood and windshield

Price, Roadster ........\$395 With winter top......\$455

# **SAXON** Touring CAR—S-2



## SAXON MOTOR COMPANY, Detroit, Michigan

pump

RADIATOR, Cellular

COOLING, Thermo-syphon

COLOR, Body, green; running gear, black SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 112 inches GAUGE, 54 inches WHERLS, Wood FRONT TIRES, 32 x 31/2 inches REAR TIRES, 32 x 31/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 19.84 (N. A. C. C. Rating) BORE AND STROKE, 27/8 x 41/2 inches

IGNITION, Storage battery
STARTING SYSTEM, Two unit
STARTER OPERATED, Gear to fly wheel
LIGHTING SYSTEM, Electric
VOLTAGES, Six
WIRING SYSTEM, Single
GASOLINE SYSTEM, Gravity
CLUTCH, Dry multiple disc
TRANSMISSION, Selective sliding
GEAR CHANGES, Three forward, one reverse
DRIVE, Spiral bevel
REAR AXLE, Semi-floating

LUBRICATION, Splash with circulating

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, 5-Passenger Touring.\$815

With winter top......\$965

STEERING GEAR, Worm and nut

# **GRANT Touring CAR—V**



#### GRANT MOTOR COMPANY, Findlay, Ohio

Color, Body, Brewster green; running gear, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 112 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 31/2 inches REAR TIRES, 32 x 31/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 21.6 (N. A. C. C. Rating)

BORE AND STROKE, 3 x 41/4 inches

LUBRICATION, Splash with circulating pump RADIATOR, Tubular Cooling, Thermo-syphon Ignition, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR Axi.E, Full floating STEERING GEAR, WORM

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter and demountable rims

Price, 5-Passenger Touring...\$795 3-Passenger Roadster ......\$795 Cabriolet.....\$1025

# MAXWELL Touring CAR



## MAXWELL MOTOR COMPANY, Inc., Detroit, Michigan

Color, Black SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 103 inches GAUGE, 56 or 60 inches WHEELS, Wood FRONT TIRES, 30 x 31/2 inches REAR TIRES, 30 x 31/2 inches, anti-skid SERVICE BRAKE, Contracting on rear EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 21.03 (N. A. C. C. Rating) BORE AND STROKE, 35% x 41/2 inches

LUBRICATION, Splash with circulating pump RADIATOR, Tubular Cooling, Thermo-syphon IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Lighting, six; starting, twelve WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Plain bevel REAR AxLE, Three-quarters floating STEERING GEAR, Worm and sector

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, Touring .....\$655 Roadster .....\$635 Sedan .....\$935 Cabriolet .....\$865 Town Car.....\$915

# INTER-STATE Touring CAR—T



#### INTER-STATE MOTOR COMPANY, Muncie, Indiana

Color, Blue SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 110 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 33 x 4 inches REAR TIRES, 33 x 4 inches, anti-skid SERVICE BRAKE, External on rear axle EMERGENCY BRAKE, Internal on rear axle CYLINDERS, Four Arranged, Vertically CAST, En bloc HORSEPOWER, 19.6 (N. A. C. C. Rating) Bore and Stroke, 31/2 x 5 inches LUBRICATION, Splash with circulating

RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AxLE, Three-quarters floating Steering Gear, Worm and gear

PRICE INCLUDES top, top hood, windshield, speed-ometer, electrical indicator and demountable rims

Price, 5-Passenger Touring.\$850 Roadster ..... \$850

# DODGE BROTHERS Touring CAR



#### DODGE BROTHERS, Detroit, Michigan

Color, Ebony black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 110 inches GAUGE, 56 or 60 inches WHEELS, Wood FRONT TIRES, 32 x 31/2 inches REAR TIRES, 32 x 31/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 24.03 (N. A. C. C. Rating) Bore and Stroke, 3% x 41/2 inches LUBRICATION, Splash with circulating pump

RADIATOR, Tubular Cooling, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Starting, twelve; lighting, four-WIRING SYSTEM, Starting, double; lighting, single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse Drive, Plain bevel REAR AXLE, Full floating Steering Gear, Worm and worm wheel

PRICE INCLUDES top, top hood, windshield, speedometer, battery indicator and demountable rims

Price, 5-Passenger Touring.\$785 Winter Touring Car..... 950 Winter Roadster ...... \$950 Standard Roadster ..... 785

# **HOLLIER** Touring CAR—168



#### LEWIS SPRING AND AXLE COMPANY, Jackson and Chelsea, Mich.

COLOR, Optional SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 112 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 33 x 4 inches REAR TIRES, 33 x 4 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight ARRANGED, V-type, 90 degrees CAST, En bloc Horsepower, 28.8 (N. A. C. C. Rating) Bore and Stroke, 3 x 41/4 inches

LUBRICATION, Force feed RADIATOR, Cellular Cooling, Thermo-syphon Ignition, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Six and twelve WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one re-DRIVE, Plain bevel REAR AxLE, Full floating Steering Gear, Worm and worm gear

PRICE INCLUDES top, top hood, windshield, speed-ometer, ammeter, voltmeter, clock and demountable rims

## **HOLLIER** Roadster—158



#### LEWIS SPRING AND AXLE COMPANY, Jackson and Chelsea, Mich.

Color, Optional SEATING CAPACITY, Three persons POSITION OF DRIVER, Left side WHEELBASE, 112 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 33 x 4 inches REAR .TIRES, 33 x 4 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight ARRANGED, V-type, 90 degrees CAST, En bloc Horsepower, 28.8 (N. A. C. C. Rating) BORE AND STROKE, 3 x 41/4 inches

LUBRICATION, Force feed RADIATOR, Cellular Cooling, Thermo-syphon Ignition, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Six and twelve WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AxLE, Full floating STEERING GEAR, Worm and worm gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock and demountable rims

# **DETROITER** Touring CAR—F



#### BRIGGS-DETROITER COMPANY, Detroit, Michigan

Color, Body, Kimball green; running gear, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 112 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 33 x 4 inches REAR TIRES, 33 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 22.5 (N. A. C. C. Rating) BORE AND STROKE, 334 x 414 inches

LUBRICATION, Splash with circulating pump RADIATOR, Tubular Cooling, Thermo-syphon IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Twelve WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Multiple disc in oil Transmission, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating Steering Gear, Worm and sector

PRICE INCLUDES top, top hood, windshield, speedometer and demountable rims

Price, 5-Passenger Touring. . \$985

5-Passenger Sedan.....\$1150

## SCRIPPS-BOOTH Roadster—D



#### SCRIPPS-BOOTH COMPANY, Detroit, Michigan

Color, Biscuit, gray or royal blue SEATING CAPACITY, Three persons POSITION OF DRIVER, Left side WHEELBASE, 110 inches GAUGE, 56 inches WHEELS, Wire FRONT TIRES, 32 x 4 inches REAR TIRES, 32 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight ARRANGED, V-type, 90 degrees Cast, En bloc with crank case HORSEPOWER, 22.05 (N. A. C. C. Rating) BORE AND STROKE, 256 x 334 inches

LUBRICATION, Force feed RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Double unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum Спится, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Plain bevel REAR AXLE, Three-quarters floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer and demountable wheel

Price, 3-Passenger Roadster-C \$825

4-Passenger-D .....\$1175

# PATERSON Touring CAR—6-42



#### W. A. PATERSON COMPANY, Flint, Michigan

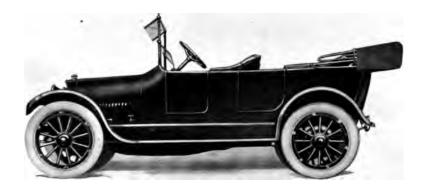
Color, Blue SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 117 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 4 inches REAR TIRES, 32 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 25.35 (N. A. C. C. Rating) BORE AND STROKE, 31/4 x 41/2 inches

LUBRICATION, Force feed and splash RADIATOR, Tubular Cooling, Water pump IGNITION, Delco distributor and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Plain bevel REAR AxLE, Three-quarters floating STEERING GEAR, Worm and nut

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, 5-Passenger ......\$985 7-Passenger .....\$1060

# REO THE FIFTH Touring CAR—R



# REO MOTOR CAR COMPANY, Lansing, Michigan

black SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 115 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, In pairs HORSEPOWER, 27.23 (N. A. C. C. Rating)

COLOR, Body, golden olive; running gear,

LUBRICATION, Splash with circulating pump RADIATOR, Tubular COOLING, Water pump IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Chain to transmission LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Double GASOLINE SYSTEM, Gravity CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Semi-floating STEERING GEAR, Pinion and sector

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, 5-Passenger Touring \$875

BORE AND STROKE, 41/2 x 41/2 inches

3-Passenger Runabout.....\$875

# **REO** Touring CAR—M



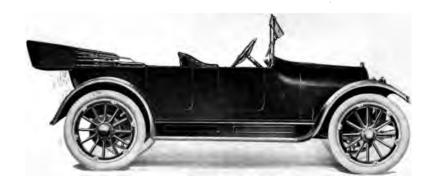
## REO MOTOR CAR COMPANY, Lansing, Michigan

COLOR, Body, golden olive; running gear, black SEATING CAPACITY, Seven persons POSITION OF DRIVER, Left side WHEELBASE, 126 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 41/2 inches REAR TIRES, 34 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, In threes Horsepower, 30.4 (N. A. C. C. Rating) BORE AND STROKE, 3 9/16 x 51/2 inches

LUBRICATION, Splash with circulating pump RADIATOR, Tubular Cooling, Water pump Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Chain to transmission LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Pinion and sector

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

# **OVERLAND** Touring CAR—75



#### THE WILLYS-OVERLAND COMPANY, Toledo, Ohio

Color, Black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 104 inches GAUGE, 56 or 60 inches WHEELS, Wood FRONT TIRES, 31 x 4 inches REAR TIRES, 31 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 15.63 (N. A. C. C. Rating)

LUBRICATION, Splash with circulating pump RADIATOR, Cellular COOLING, Thermo-syphon IGNITION, High-tension magneto STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, 5-Passenger Touring \$615

BORE AND STROKE, 31/8 x 5 inches

Roadster .....\$595

# **OVERLAND Touring CAR—83**



#### THE WILLYS-OVERLAND COMPANY, Toledo, Ohio

COLOR, Body, Brewster green; fenders and radiator, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 106 inches GAUGE, 56 or 60 inches WHEELS, Wood FRONT TIRES, 33 x 4 inches REAR TIRES, 33 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, Separately

Horespower, 27.23 (N. A. C. C. Rating)

Bore and Stroke, 41/2 x 41/2 inches

LUBRICATION, Splash with circulating pump RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, High-tension magneto STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AxLE, Three-quarters floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer and demountable rims

 Price, 5-Passenger
 5-Passenger
 750
 Panel Delivery
 \$750
 Limousine
 \$950

 Roadster
 725
 Open Delivery
 725
 Coupe
 875

# **OVERLAND Touring CAR—86**



#### THE WILLYS-OVERLAND COMPANY, Toledo, Ohio

COLOR, Body, Brewster green; fenders and radiator, black SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 125 inches GAUGE, 56 inches Wheels, Wood FRONT TIRES, 35 x 41/2 inches REAR TIRES, 35 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMBRGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six Arranged, Vertically CAST, En bloc HORSEPOWER, 29.4 (N. A. C. C. Rating)

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

BORE AND STROKE, 31/2 x 51/4 inches LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Water pump IGNITION, High tension magneto STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

# WILLYS-KNIGHT Touring CAR—84B



## THE WILLYS-OVERLAND COMPANY, Toledo, Ohio

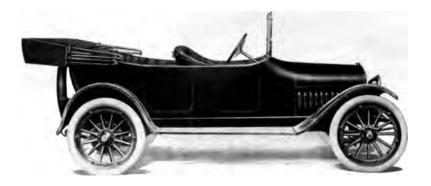
COLOR, Body, royal blue; wheels, gray; fenders, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 114 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc HORSEPOWER, 27.23 (N. A. C. C. Rating) | Steering Gear, Worm and gear PRICE INCLUDES top, top hood, windshield,

BORE AND STROKE, 41/2 x 41/2 inches LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, High-tension magneto STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating

Price, 5-Passenger Touring \$1125 Roadster ..... 1095

speedometer, ammeter and demountable rims

# OAKLAND Touring CAR—32



# OAKLAND MOTOR CAR COMPANY, Pontiac, Michigan

Color, Blue or black SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 110 inches GAUGE, 56 or 60 inches WHEELS, Wood FRONT TIRES, 32 x 31/2 inches REAR TIRES, 32 x 31/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc Horsepower, 18.88 (N. A. C. C. Rating) BORE AND STROKE, 213/16 x 41/4 inches | STEERING GEAR, Worm and split nut

LUBRICATION, Splash with circulating pump RADIATOR, Tubular COOLING, Water pump Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Full floating

PRICE INCLUDES top, top hood, windshield, speedometer and demountable rims

Price, 5-Passenger Touring \$795

Roadster .....\$795

# OAKLAND Touring CAR—38



#### OAKLAND MOTOR CAR COMPANY, Pontiac, Michigan

pump

RADIATOR, Tubular

Color, Blue or gray; chassis, black SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 112 inches WHEELS, Wood FRONT TIRES, 33 x 4 inches REAR TIRES, 33 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST. En bloc Horsepower, 19.6 (N. A. C. C. Rating) | REAR AxLE, Full floating BORE AND STROKE, 31/2 x 5 inches STEERING GEAR, Worm and split nut

Cooling, Water pump Ignition, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gears to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding gear GEAR CHANGES, Three forward one reverse DRIVE, Plain bevel

LUBRICATION, Splash with circulating

PRICE INCLUDES top, top hood, windshield speedometer, ammeter and demountable rims

 Price, 5-Passenger
 5-Passenger

 Touring .......\$1050
 Roadster .......\$1050

 Speedster .......\$1050
 Speedster .........\$1050

# **OAKLAND** Touring CAR—50



#### OAKLAND MOTOR CAR COMPANY, Pontiac, Michigan

COLOR, Body, green; chassis, black SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 127 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 41/2 inches REAR TIRES, 34 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight ARRANGED, V-type, 90 degrees CAST, In fours Horsepower, 39.2 (N. A. C. C. Rating) Bore and Stroke, 31/2 x 41/2 inches

LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Water pump Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and split nut

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

# JACKSON Touring CAR—34



## JACKSON AUTOMOBILE COMPANY, Jackson, Michigan

COLOR, Brewster green

SEATING CAPACITY, Five persons

POSITION OF DRIVER, Left side

WHEELBASE, 112 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 32 x 4 inches

REAR TIRES, 32 x 4 inches, anti-skid

SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear

CYLINDERS, FOUR

ARRANGED, Vertically

CAST, En bloc

HORSEPOWER, 19.6 (N. A. C. C. Rating)

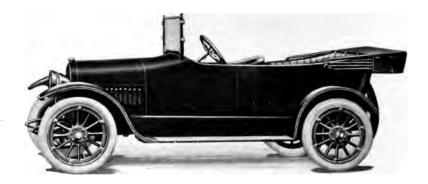
TRANSMISSION, Selective sliding
GEAR CHANGES, Three
DRIVE, Plain bevel
REAR AXLE, Three-quarters floating
STEERING GEAR, Worm and sector

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

BORE AND STROKE, 31/2 x 5 inches LUBRICATION, Force feed and splash RADIATOR, Tubular Cooling, Water pump Ignition, Storage battery and dry cells STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Plain bevel REAR AXLE, Three-quarters floating

Price, 5-Passenger Touring \$985 With Detachable Sedan Top \$1195 3-Passenger Roadster......\$985

# JACKSON Touring CAR—348



#### JACKSON AUTOMOBILE COMPANY, Jackson, Michigan

COLOR, Dark green with natural wood wheels SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 112 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 4 inches REAR TIRES, 32 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight ARRANGED, V-type, 90 degrees CAST, In fours Horsepower, 26.45 (N. A. C. C. Rating) | Steering Gear, Worm and sector

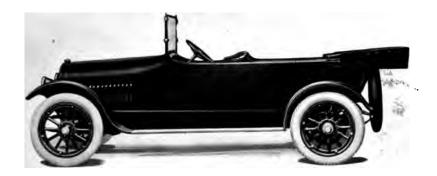
PRICE INCLUDES top, top hood, windshield,

Bore and Stroke, 21/8 x 43/4 inches LUBRICATION, Full force feed RADIATOR, Tubular Cooling, Water pump Ignition, Storage battery and dry cells STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Plain bevel REAR AxLE, Three-quarters floating

speedometer, ammeter and demountable rims

Price, 5-Passenger Touring......\$1195 With Detachable Sedan Top.\$1405 3-Passenger Roadster.....\$1195

# JACKSON Touring CAR—68



#### JACKSON AUTOMOBILE COMPANY, Jackson, Michigan

Color, Dark blue SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 124 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 41/2 inches REAR TIRES, 34 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight

ARRANGED, V-type, 90 degrees CAST, In fours HORSEPOWER, 39.2 (N. A. C. C. Rating) BORE AND STROKE, 31/2 x 4 inches

LUBRICATION, Full force feed RADIATOR, Cellular Cooling, Water pump IGNITION, Storage battery and dry cells STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Spiral bevel

REAR AXLE, Full floating

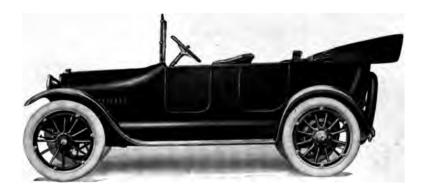
Steering Gear, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price .....\$1685

With Detachable Sedan Top...\$1925

# STUDEBAKER FOUR Touring CAR—SF



#### STUDEBAKER CORPORATION OF AMERICA, Detroit, Michigan

Color, Body, blue; chassis, black SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 112 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc HORSEPOWER, 24.03 (N. A. C. C. Rating) BORE AND STROKE, 376 x 5 inches

LUBRICATION, Splash with circulating pump RADIATOR, Tubular COOLING, Water pump Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Full floating Steering Gear, Worm and gear

PRICE INCLUDES top, top hood, windshield, speed-ometer, battery indicator and demountable rims

Price ......\$875 3-Passenger Roadster ..... 850 

# STUDEBAKER SIX Touring CAR—ED



## STUDEBAKER CORPORATION OF AMERICA, Detroit, Michigan

Color, Body, blue; chassis, black SEATING CAPACITY, Seven persons POSITION OF DRIVER, Left side WHEELBASE, 122 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear CYLINDERS, Six ARRANGED, Vertically Cast, En bloc Horsepower, 36.04 (N. A. C. C. Rating) BORE AND STROKE, 376 x 5 inches

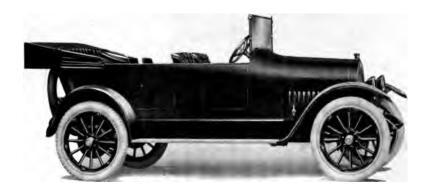
LUBRICATION, Splash with circulating pump RADIATOR, Cellular COOLING, Water pump IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Full floating Steering Gear, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, battery indicator and demountable rims

 Price
 \$1085
 3-Passenger Roadster
 Landau Roadster Landau Passenger
 7-Passenger Landau 7-Passenger
 7-Passenger Limousine

 3-Passenger Roadster
 4-Passenger Coupe
 1600
 sine
 2500

# JEFFERY Touring CAR-462



#### THE THOMAS B. JEFFERY COMPANY, Kenosha, Wisconsin

Color, Brewster green and black SEATING CAPACITY, Seven persons Position of Driver, Left side WHERLBASE, 116 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Contracting on drive shaft CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 22.5 (N. A. C. C. Rating) BORE AND STROKE, 334 x 51/4 inches

LUBRICATION, Force feed and splash RADIATOR, Cellular COOLING, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM. Vacuum CLUTCH, Plate TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Spiral bevel REAR AXLE, Semi-floating STEERING GEAR, Worm and wheel

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock, and demountable rims

Price, 7-Passenger 5-Passenger Touring, \$1000 5-Passenger Sedan... \$1165 7-Passenger Sedan... \$1200 3-Passenger Roadster. 1000

## **OLDSMOBILE** Touring CAR—43



## OLDS MOTOR WORKS, Lansing, Michigan

Color, Orriford lake or Brewster green with natural wood wheels

SEATING CAPACITY, Five persons

POSITION OF DRIVER, Left side

WHEELBASE, 120 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 33 x 4 inches

REAR TIRES, 33 x 4 inches, anti-skid

SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

wheels
CYLINDERS, Four
ARRANGED, Vertically
Cast, En bloc

HORSEPOWER, 19.6 (N. A. C. C. Rating) Steering Gear, Screw and nut

PRICE INCLUDES top, top hood, windshield, speed-ometer, ammeter, clock and demountable rims

Bore and Stroke, 31/2 x 5 inches LUBRICATION, Full splash RADIATOR, Cellular Cooling, Water pump Ignition, Delco system STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Spiral bevel REAR AxLE, Three-quarters floating

Price, 5-Passenger Touring \$1095

Roadster .....\$1095

# **OLDSMOBILE Touring CAR—44**



#### OLDS MOTOR WORKS, Lansing, Michigan

COLOR, Royal green with natural wood wheels SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 120 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 33 x 4 inches REAR TIRES, 33 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight Arranged, V-type, 90 degrees CAST, En bloc with half of crank case HORSEPOWER, 26.45 (N. A. C. C. Rating) | STEERING GEAR, Screw and nut

BORE AND STROKE, 27 x 434 inches LUBRICATION, Full force feed RADIATOR, Cellular Cooling, Water pump IGNITION, Delco system STARTING SYSTEM, Three unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Spiral bevel REAR AXLE, Full floating

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, clock and demountable rims

Price, 5-Passenger Touring \$1195

Roadster .....\$1195

# **CASE Touring CAR**



#### J. I. CASE T. M. COMPANY, Inc., Racine, Wisconsin

COLOR, Body, Brewster green; chassis, black

SEATING CAPACITY, Seven persons

POSITION OF DRIVER, Left side

WHEELBASE, 120 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 34 x 4 inches

REAR TIRES, 34 x 4 inches, anti-skid

SERVICE BRAKE, External on rear wheels

EMERGENCY BRAKE, Internal on rear wheels

CYLINDERS, FOUR

ARRANGED, Vertically

CAST, En bloc

HORSEPOWER, 21.03 (N. A. C. C. Rating)

BORE AND STROKE, 356 x 6 inches

LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one re verse Drive, spiral bevel REAR AxLE, Three-quarters floating Steering Gear, Screw and nut

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter and demountable rims

# **EMPIRE Touring CAR—60**



#### EMPIRE AUTOMOBILE COMPANY, Indianapolis, Indiana

COLOR, Body, green or gray; running gear, black; wheels, red or green SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 120 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMBRGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically Cast, En bloc HORSEPOWER, 25.35 (N. A. C. C. Rating) Bore and Stroke, 31/4 x 41/2 inches

LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Water pump IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AxLE, Three-quarters floating Steering Gear, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

# **GLIDE LIGHT SIX-40 Touring CAR**



#### AVERY COMPANY, Peoria, Illinois

COLOR, Body, Meteor blue; running gear, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 119 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 21.6 (N. A. C. C. Rating) BORE AND STROKE, 3 x 5 inches

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

LUBRICATION, Splash with circulating pump RADIATOR, Tubular Cooling, Water pump Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Three-quarters floating Steering Gear, Screw and nut

Price ......\$1095 5-Passenger Touring..\$1095 Sedan ......\$1295

# KLINE-KAR Touring CAR-6-36



### KLINE MOTOR CAR CORPORATION, Richmond, Virginia

Color, Body, dark green; running gear, black; wheels, red or green SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 120 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 25.35 (N. A. C. C. Rating) BORE AND STROKE, 31/4 x 41/2 inches

PRICE INCLUDES top, speedometer, ammeter

LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Water pump Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE. Three-quarters floating STEERING GEAR, Worm and nut

top hood, windshield, and demountable rims

## VELIE BILTWEL Six—22



#### VELIE MOTOR VEHICLE COMPANY, Moline, Illinois

Color, Velie blue SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 115 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 4 inches REAR TIRES, 32 x 4 inches, anti-skid SERVICE BRAKE, Rear Axle EMERGENCY BRAKE, Rear Axle CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 25.35 (N. A. C. C. Rating) BORE AND STROKE, 31/4 x 41/2 inches LUBRICATION, Force feed and splash

RADIATOR, Cellular Cooling, Water pump Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Three-quarters floating Steering Gear, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, 5-Passenger With winter top....\$1240 4-Passenger Coupe...\$1750 Touring .......\$1065 2-Passenger Roadster. 1045

# KLINE-KAR Touring CAR—6-36



### KLINE MOTOR CAR CORPORATION, Richmond, Virginia

COLOR, Body, dark green; running gear, black; wheels, red or green SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 120 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc Horsepower, 25.35 (N. A. C. C. Rating) BORE AND STROKE, 31/4 x 41/2 inches

PRICE INCLUDES top, speedometer, ammeter

LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Water pump IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AxLE. Three-quarters floating STEERING GEAR, Worm and nut top hood, windshield,

and demountable rims

# **VELIE BILTWEL Six—22**



#### VELIE MOTOR VEHICLE COMPANY, Moline, Illinois

Color, Velie blue SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 115 inches GAUGE, 56 inches WHERLS, Wood FRONT TIRES, 32 x 4 inches REAR TIRES, 32 x 4 inches, anti-skid SERVICE BRAKE, Rear Axle EMERGENCY BRAKE, Rear Axle CYLINDERS, Six ARRANGED, Vertically CAST, En bloc Horsepower, 25.35 (N. A. C. C. Rating) BORE AND STROKE, 31/4 x 41/2 inches LUBRICATION, Force feed and splash

RADIATOR, Cellular Cooling, Water pump IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Three-quarters floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, 5-Passenger With winter top....\$1240 4-Passenger Coupe...\$1750 2-Passenger Roadster. 1045

# **GREAT WESTERN 1916 Touring CAR**



#### GREAT WESTERN AUTOMOBILE COMPANY, Peru, Indiana

COLOR, Black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 118 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 31/2; or, 33 x 4 inches REAR TIRES, 32 x 3½; or, 33 x 4 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 21.6 (N. A. C. C. Rating) BORE AND STROKE, 3 x 5 inches

LUBRICATION, Splash with circulating pump RADIATOR, Cellular Cooling, Water pump IGNITION, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum CLUTCH, Multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Semi-floating Steering Gear, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

## **MOON Touring CAR—6-30**



#### MOON MOTOR CAR COMPANY, St. Louis, Missouri

Color, Black or Brewster green SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 118 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 33 x 4 inches REAR TIRES, 33 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 25.35 (N. A. C. C. Rating) | STEERING GEAR, Worm and gear

BORE AND STROKE, 31/4 x 41/2 inches LUBRICATION, Pump over and splash RADIATOR, Cellular Cooling, Water pump Ignition, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three and reverse DRIVE, Spiral bevel REAR AXLE, Full floating

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, 5-Passenger Touring \$1195

Roadster .....\$1195

# **AUBURN Touring CAR—6-38**



#### AUBURN AUTOMOBILE COMPANY, Auburn, Indiana

COLOR, Body, royal blue; hood, fenders and flashings, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 120 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc Horsepower, 21.6 (N. A. C. C. Rating) Bore AND STROKE, 3 x 5 inches

LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Water pump Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AxLE, Floating STEERING GEAR, Worm

PRICE INCLUDES top, top hood, windshield, speedometer, indicator and demountable rims

Price, 5-Passenger Touring \$1085

3-Passenger Roadster.....\$1085

## **AUBURN Touring CAR—6-40A**



#### AUBURN AUTOMOBILE COMPANY, Auburn, Indiana

Color, Body, royal blue; fenders, hood and flashings, black SEATING CAPACITY, Seven persons POSITION OF DRIVER, Left side WHEELBASE, 126 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 35 x 41/2 inches REAR TIRES, 35 x 41/2 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 29.4 (N. A. C. C. Rating)

PRICE INCLUDES top, top hood, windshield,

LUBRICATION, Force feed and splash RADIATOR, Cellular COOLING, Water pump IGNITION, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Floating STEERING GEAR, Worm

speedometer, indicator and demountable rims

Price, 7-Passenger Touring \$1375

BORE AND STROKE, 31/2 x 5 inches

3-Passenger Roadster.....\$1375

# "MARION-HANDLEY" SIX-FORTY Touring CAR-MODEL "A"



#### THE MUTUAL MOTORS COMPANY, Jackson, Michigan

Color, Dark wine . SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 120 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 4 inches REAR TIRES, 32 x 4 inches (non-skid) SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels Cylinders, Six ARRANGED, Vertically CAST, En bloc Horsepower, 23.44 (N. A. C. C. Rating) BORE AND STROKE, 31/8 x 5 inches

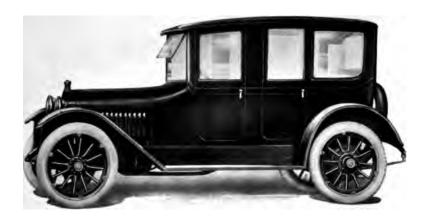
LUBRICATION, Pressure and splash system RADIATOR, Cellular Cooling, Water pump IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum feed CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Spiral bevel REAR AXLE, Three-quarters floating Steering Gear, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, 7-Passenger Touring....\$1185 6-60B 7-Passenger Touring....\$1385

4-Passenger Roadster ......\$1185 6-60B 4-Passenger Roadster...\$1385

# **HUPMOBILE YEAR-'ROUND Touring CAR**



### HUPP MOTOR CAR COMPANY, Detroit, Michigan

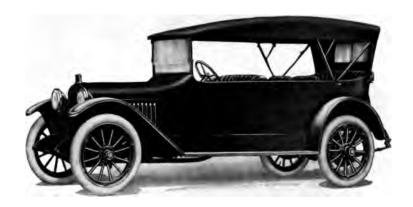
COLOR, Body, Brewster green; chassis, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 119 inches GAUGE, 56 or 60 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically Horsepower, 22.5 (N. A. C. C. Rating) BORE AND STROKE, 334 x 51/2 inches

LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three forward and reverse DRIVE, Spiral bevel REAR AxLE, Three-quarters floating STEERING GEAR, Split nut

Price, 5-Passenger Year-'round Touring Car .....\$1185

2-Passenger Year-'round Coupe \$1165

# HUPMOBILE SEVEN-PASSENGER Touring CAR



#### HUPP MOTOR CAR COMPANY, Detroit, Michigan

COLOR, Body, Brewster green; chassis, black SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 134 inches GAUGE, 56 or 60 inches WHEELS, Wood FRONT TIRES, 35 x 41/2 inches REAR TIRES, 35 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 22.5 (N. A. C. C. Rating) BORE AND STROKE, 334 x 51/2 inches

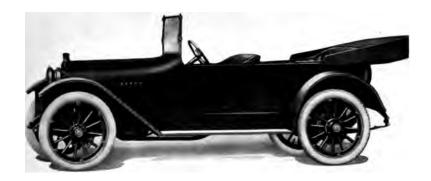
LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Grav'ty CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AxLE, Three-quarters floating STEERING GEAR, Split nut

PRICE INCLUDES top, top hood, windshield, speedometer and demountable rims

Price, 5-Passenger Touring.\$1225

Seven-Passenger Limousine \$2365

# HUPMOBILE FIVE-PASSENGER Touring CAR



#### HUPP MOTOR CAR COMPANY, Detroit, Michigan

Color, Body, Brewster green; chassis, black SEATING CAPACITY, Five persons POSITION OF DRIVER, Left side WHEELBASE, 119 inches GAUGE, 56 or 60 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear CYLINDERS, Four ARRANGED, Vertically, under hood CAST, En bloc

Bore and Stroke, 334 x 51/2 inches LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Three-quarters floating HORSEPOWER, 22.5 (N. A. C. C. Rating) | STEERING GEAR, Split nut

> PRICE INCLUDES top, top hood, windshield, speedometer and demountable rims

Price, 5-Passenger Touring.\$1085

2-Passenger Roadster ....\$1085

5-Passenger Sedan ......\$1365

# **CHANDLER Touring CAR**



### CHANDLER MOTOR CAR COMPANY, Cleveland, Ohio

Color, Dark blue and black SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 123 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, In threes HORSEPOWER, 27.34 (N. A. C. C. Rating) | REAR AxLE, Three-quarters floating BORE AND STROKE, 33% x 5 inches

LUBRICATION, Splash with circulating pump RADIATOR, Cellular Cooling, Water pump IGNITION, High tension magneto STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three and reverse DRIVE, Spiral bevel Steering Gear, Worm and sector

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter and demountable rims

Price, 7-Passenger	Roadster\$1295	Convertible Sedan\$1795
Touring\$1295	Limousine 2450	Coupe 1950
	Sedan 2250	Cabriolet 1650

## MITCHELL—The Six of '16



### MITCHELL-LEWIS MOTOR COMPANY, Racine, Wisconsin

COLOR, Body, dark Mitchell blue; running gear, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 125 inches GAUGE, 56 or 60 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 29.4 (N. A. C. C. Rating) BORE AND STROKE, 31/2 x 5 inches

LUBRICATION, Pump over and splash RADIATOR, Cellular Cooling, Water pump Ignition, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Lighting, six; starting, twelve WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter. voltmeter and demountable rims

Price, 5-Passenger ...\$1325 3-Passenger .......\$1325 7-Passenger ......\$1360

## PAIGE Fleetwood SIX—38



### PAIGE-DETROIT MOTOR CAR COMPANY, Detroit, Michigan

COLOR, Body, Richelieu blue with straw colored wheels SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 117 inches GAUGE, 56 or 60 inches WHEELS, Wood FRONT TIRES, 32 x 4 inches REAR TIRES, 32 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 23.44 (N. A. C. C. Rating) | STEERING GEAR, Screw and split sleeve PRICE INCLUDES top, top hood, windshield,

BORE AND STROKE, 31/8 x 5 inches LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Water pump IGNITION, High tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Spiral bevel REAR AXLE, Three-quarters floating

Price .....\$1050

speedometer, ammeter and demountable rims

### PAIGE Fairfield SIX—46



#### PAIGE-DETROIT MOTOR CAR COMPANY, Detroit, Michigan

COLOR, Body, Richelieu blue; running gear, red SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 124 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 29.4 (N. A. C. C. Rating) | STEERING GEAR, Screw and split sleeve

Bore and Stroke, 31/2 x 51/4 inches LUBRICATION. Force feed and splash RADIATOR, Cellular Cooling, Water pump Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Spiral bevel REAR AXLE, Three-quarters floating

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, 7-Passenger Touring ......\$1295

7-Passenger Sedan...\$1900 7-Passenger Town
3-Passenger Cabriolet 1600 car .......\$2250
3-Passenger Coupe... 1700 3-Passenger Roadster 1295

# STEARNS-KNIGHT Touring CAR-L-4



#### THE F. B. STEARNS COMPANY, Cleveland, Ohio

COLOR, Body, Stearns Royal green; running gear, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 119 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches SERVICE BRAKE, Contracting on transmission shaft EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically HORSEPOWER, 22.5 (N. A. C. C. Rating)

BORE AND STROKE, 33/4 x 55/2 inches LUBRICATION, Full force feed RADIATOR, Cellular Cooling, Water pump IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Twelve WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Spiral bevel REAR AXLE, Semi-floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

# STEARNS-KNIGHT Eight



### THE F. B. STEARNS COMPANY, Cleveland, Ohio

COLOR, Body, Stearns Brewster green; running gear, black SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 123 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 35 x 41/2 inches REAR TIRES, 35 x 41/2 inches SERVICE BRAKE, Contracting on transmission shaft EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight ARRANGED, V-type, 90 degrees CAST. In fours HORSEPOWER, 33.8 (N. A. C. C. rating)

BORE AND STROKE, 31/4 x 5 inches LUBRICATION, Full force feed RADIATOR, Cellular Cooling, Thermo-syphon Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Twelve WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Spiral bevel REAR AXLE, Semi-floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, clock and demountable rims

## KING Reliance—D



### KING MOTOR CAR COMPANY, Detroit, Michigan

COLOR, Body, Salon green; chassis, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 113 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 33 x 4 inches REAR TIRES, 33 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight ARRANGED, V-type, 90 degrees CAST, In fours HORSEPOWER, 26.45 (N. A. C. C. Rating) BORE AND STROKE, 21/8 x 5 inches

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

LUBRICATION, Force feed RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

# KING Challenger—E



### KING MOTOR CAR COMPANY, Detroit, Michigan

Color, Deep blue SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 120 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Rear wheels EMERGENCY BRAKE, Contracting on propeller shaft CYLINDERS, Eight Arranged, V-type, 90 degrees Cast, In fours HORSEPOWER, 28.8 (N. A. C. C. Rating) BORE AND STROKE, 3 x 5 inches LUBRICATION, Force feed

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

RADIATOR, Cellular Cooling, Thermo-syphon Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry plate TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

Pri	ce, 5-F allenger	'assenger \$1350	Corsair Roadster	\$1350	Sedan	0001
-----	---------------------	---------------------	---------------------	--------	-------	------

## KING Reliance—D



#### KING MOTOR CAR COMPANY, Detroit, Michigan

COLOR, Body, Salon green; chassis, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 113 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 33 x 4 inches REAR TIRES, 33 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight Arranged, V-type, 90 degrees CAST, In fours Horsepower, 26.45 (N. A. C. C. Rating) BORE AND STROKE, 23/8 x 5 inches

TRANSMISSION, Selective sliding
GEAR CHANGES, Three forward, one reverse
DRIVE, Spiral bevel
REAR AXLE, Full floating
STEERING GEAR, Worm and gear

LUBRICATION, Force feed

Cooling, Thermo-syphon Ignition, Storage battery

STARTING SYSTEM, Two unit

LIGHTING SYSTEM, Electric

GASOLINE SYSTEM, Vacuum

CLUTCH, Multiple disc in oil

WIRING SYSTEM, Double

STARTER OPERATED, Gear to fly wheel

RADIATOR, Cellular

VOLTAGES, Six

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

# KING Challenger—E



### KING MOTOR CAR COMPANY, Detroit, Michigan

Color, Deep blue SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 120 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Rear wheels EMERGENCY BRAKE, Contracting on propeller shaft CYLINDERS, Eight ARRANGED, V-type, 90 degrees CAST, In fours Horsepower, 28.8 (N. A. C. C. Rating) BORE AND STROKE, 3 x 5 inches LUBRICATION, Force feed

RADIATOR, Cellular
COOLING, Thermo-syphon
IGNITION, Storage battery
STARTING SYSTEM, Two unit
STARTER OPERATED, Gear to fly wheel
LIGHTING SYSTEM, Electric
VOLTAGES, Six
WIRING SYSTEM, Single
GASOLINE SYSTEM, Vacuum
CLUTCH, Dry plate
TRANSMISSION, Selective sliding
GEAR CHANGES, Three forward, one reverse
DRIVE, Spiral bevel
REAR AXLE, Full floating
STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

# KISSEL-KAR Touring CAR-4-32



# KISSEL MOTOR CAR COMPANY, Hartford, Wisconsin

Color, Blue and black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 115 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 33 x 4 inches REAR TIRES, 33 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Contracting on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 24.03 (N. A. C. C. Rating) Bore and Stroke, 3% x 51/2 inches

LUBRICATION, Splash with circulating pump RADIATOR, Square tube Cooling, Water pump Ignition, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Split nut and worm

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter and demountable rims

Price, 5-Passenger Touring ......\$1050 4-Passenger Roadster.....1150 4-Passenger All-Year Roadster ......\$1450

## KISSEL-KAR All-Year—6-42



#### KISSEL MOTOR CAR COMPANY, Hartford, Wisconsin

COLOR, Blue and black
SEATING CAPACITY, Five persons
POSITION OF DRIVER, Left side
WHEELBASE, 126 inches
GAUGE, 56 inches
WHEELS, Wood
FRONT TIRES, 34 x 4 inches
REAR TIRES, 34 x 4 inches
REAR TIRES, 36 x 4 inches, non-skid
SERVICE BRAKE, Contracting on rear wheels
EMERGENCY BRAKE, Contracting on rear wheels
CYLINDERS, Six
ARRANGED, Vertically
CAST, En bloc
HOSSEPOWER, 31.54 (N. A. C. C. Rating)
BORE AND STROKE, 336 x 5½ inches

LUBRICATION, Splash with circulating pump RADIATOR, Square tube Cooling, Water pump IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Split nut worm

PRICE INCLUDES top, top hood, windshield speedometer, ammeter, voltmeter, clock and demountable rims

Price, 5-Passenger	4 - Door 7 - Passenger	3 - Door 7 - Passenger
All-Year\$2000	Touring\$1585	Touring\$1750
4 - Door 5 - Passenger	3 - Door 5 - Passenger	Roadster 1650
Touring 1485	Touring 1650	Roadster Coupe 2000

## BUICK-D-6-45



## BUICK MOTOR COMPANY, Flint, Michigan

Color, Blue-black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 115 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 4 inches REAR TIRES, 32 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 25.35 (N. A. C. C. Rating) BORE AND STROKE, 31/4 x 41/2 inches LUBRICATION, Splash with circulating pump

RADIATOR, Cellular
COOLING, Water pump
IGNITION, Storage battery
STARTING SYSTEM, Single unit
STARTER OPERATED, Gear to fly wheel
LIGHTING SYSTEM, Electric
VOLTAGES, Six
WIRING SYSTEM, Single
GASOLINE SYSTEM, Vacuum
CLUTCH, Cone
TRANSMISSION, Selective sliding
GEAR CHANGES, Three forward, one reverse
DRIVE, Spiral bevel
REAR AXLE, Full floating
STEERING GEAR, Split nut and worm

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, 5-Passenger.....\$1020 Roadster ..... 985 Coupe ......\$1350 Sedan ......1875

## BUICK-D-6-55



## BUICK MOTOR COMPANY, Flint, Michigan

Color, Royal green with black stripe SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 130 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically Cast, In pairs Horsepower, 33.75 (N. A. C. C. Rating) BORE AND STROKE, 334 x 5 inches

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

LUBRICATION, Splash with circulating pump RADIATOR, Cellular COOLING, Water pump IGNITION, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AxLE, Full floating STEERING GEAR, Split nut and worm

Price, 7-Passenger.....\$1485 Roadster .....\$1450

# CHALMERS Touring CAR SIX—40



#### CHALMERS MOTOR COMPANY, Detroit, Michigan

COLOR, Body, Chalmers meteor blue and coupe green; running gear, black SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 124 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically Horsepower, 23.44 (N. A. C. C. Rating) PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

BORE AND STROKE, 31/8 x 5 inches LUBRICATION, Force feed and splash RADIATOR, Cellular COOLING, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three and reverse DRIVE, Spiral bevel REAR AxLE, Three-quarters floating Steering Gear, Worm and gear

# CHALMERS Palanguin SIX-40



#### CHALMERS MOTOR COMPANY, Detroit, Michigan

COLOR, Body, Chalmers meteor blue and coupe green; demountable top, black; running gear, black

SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 124 inches GAUGE, 56 inches

WHEELS, Wood FRONT TIRES, 34 x 4 inches

REAR TIRES, 34 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

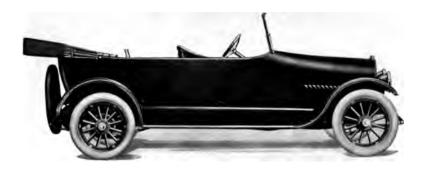
CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 23.44 (N. A. C. C. Rating)

BORE AND STROKE, 31/4 x 5 inches LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Thermo-syphon Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES. Three and reverse DRIVE, Spiral bevel REAR AxLE, Three-quarters floating Steering Gear, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, Palanquin....\$1700 3-Passenger Roadster \$1450 Victoria-Cabriolet ...\$1450

## ABBOTT-DETROIT Touring CAR-6-44



### CONSOLIDATED CAR COMPANY, Detroit, Michigan

Color, Black with cream wheels SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 122 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 4 inches REAR TIRES, 32 x 4 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc Horsepower, 25.35 (N. A. C. C. Rating) BORE AND STROKE, 31/4 x 41/2 inches

LUBRICATION, Pump over and splash RADIATOR, Tubular COOLING, Water pump Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum. CLUTCH, Dry plate TRANSMISSION, Selective sliding GEAR CHANGES, Three forward and reverse DRIVE, Spiral bevel REAR AxLE, Three-quarters floating STEERING GEAR, Worm and wheel

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter and demountable rims

Price, 7-Passenger

| Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coach | Coac

# ABBOTT-DETROIT Touring CAR-8-80



# CONSOLIDATED CAR COMPANY, Detroit, Michigan

Color, Royal green SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 121 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 35 x 41/2 inches REAR TIRES, 35 x 41/2 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight Arranged, V-type, 90 degrees CAST, In fours Horsepower, 33.8 (N. A. C. C. Rating) BORE AND STROKE, 31/4 x 5 inches

LUBRICATION, Force feed and splash RADIATOR, Cellular COOLING, Water pump IGNITION, Storage battery and dry cells STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum Сцитсн, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AxLE, Three-quarters floating STEERING GEAR, Worm and wheel

PRICE INCLUDES top, top hood, windshield, speed-ometer, ammeter, voltmeter, clock and demountable rims

Price, 7-Passenger Touring \$1950

Racy Roadster .....\$1950

# **HUDSON Super-Six PHAETON**



### HUDSON MOTOR CAR COMPANY, Detroit, Michigan

Color, Blue SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 1251/2 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 35 x 41/2 inches REAR TIRES, 35 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 29.4 (N. A. C. C. Rating) Bore and Stroke, 31/2 x 5 inches

LUBRICATION, Splash with circulating pump RADIATOR, Cellular COOLING, Water pump IGNITION, Storage battery and generator STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Live STEERING GEAR, Worm and worm wheel

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price .....\$1375

# **HUDSON Super-Six CABRIOLET**



### HUDSON MOTOR CAR COMPANY, Detroit, Michigan

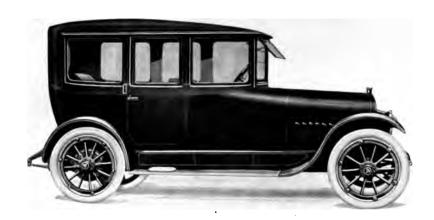
COLOR, Blue SEATING CAPACITY, Three persons Position of Driver, Left side WHEELBASE, 1251/2 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 35 x 41/2 inches REAR TIRES, 35 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 29.4 (N. A. C. C. Rating) BORE AND STROKE, 31/2 x 5 inches

LUBRICATION, Splash with circulating pump RADIATOR, Cellular Cooling, Water pump IGNITION, Storage battery and generator STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Live STEERING GEAR, Worm and worm wheel

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, Cabriolet......\$1675 Roadster .....\$1375

# **HUDSON Super-Six TOURING SEDAN**



## HUDSON MOTOR CAR COMPANY, Detroit, Michigan

CoLOR, Blue SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 1251/2 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 35 x 41/2 inches REAR TIRES, 35 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc Horsepower, 29.4 (N. A. C. C. Rating) Bore and Stroke, 31/2 x 5 inches

LUBRICATION, Splash with circulating pump RADIATOR, Cellular Cooling, Water pump Ignition, Storage battery and generator STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Live Steering Gear, Worm and worm wheel

PRICE INCLUDES windshield, speed-ometer, ammeter and demountable rims

Price, Touring Sedan \$1900 Limousine .......\$2500 Town Car ......\$2500

# APPERSON LIGHT SIX Touring CAR-6-16



#### APPERSON BROTHERS AUTOMOBILE COMPANY, Kokomo, Ind.

Color, Blue or green SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 128 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 29.4 (N. A. C. C. Rating) BORE AND STROKE, 31/2 x 5 inches

RADIATOR, Cellular Cooling, Water pump IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES. Six WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum CLUTCH, Plate TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one re verse DRIVE, Spiral bevel REAR AXLE, Semi-floating STEERING GEAR, Worm and wheel

LUBRICATION, Full force feed

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, clock and demountable rims



#### APPERSON BROTHERS AUTOMOBILE COMPANY, Kokomo, Ind.

Color, Blue or green SEATING CAPACITY, Seven persons POSITION OF DRIVER, Left side WHEELBASE, 128 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 35 x 41/2 inches REAR TIRES, 35 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight Arranged, V-type, 90 degrees CAST, En bloc Horsepower, 31.25 (N. A. C. C. Rating) BORE AND STROKE, 31/8 x 5 inches

LUBRICATION, Full force feed RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum Сцитсн, Plate TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Semi-floating STEERING GEAR, Worm and wheel

PRICE INCLUDES top, top hood, windshield, speed-ometer, ammeter, clock and demountable rims

Price, 7-Passenger Touring \$1850

4-Passenger Roadster .....\$1850

## COLE Touring CAR—860-G



#### COLE MOTOR CAR COMPANY, Indianapolis, Indiana

Color, Norland green SEATING CAPACITY, Seven persons POSITION OF DRIVER, Left side WHEELBASE, 127 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 35 x 41/2 inches REAR TIRES, 35 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight Arranged, V-type, 90 degrees CAST, En bloc Horsepower, 39.2 (N. A. C. C. Rating)

Bore and Stroke, 31/2 x 41/2 inches LUBRICATION, Force feed RADIATOR, Cellular COOLING, Water pump IGNITION, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and sector

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter and demountable rims

Price, 7-Passenger Touring .....\$1595 Three-Passenger Roadster..\$1595

## WESTCOTT Touring CAR—51



#### WESTCOTT MOTOR CAR COMPANY, Richmond, Indiana

COLOR, Dark green or dark gray SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 126 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 35 x 41/2 inches, anti-skid REAR TIRES, 35 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 29.4 (N. A. C. C. Rating) BORE AND STROKE, 31/2 x 51/4 inches

LUBRICATION, Force feed and splash RADIATOR, Cellular COOLING, Water pump Ignition, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one re verse DRIVE, Spiral bevel REAR AxLE, Semi-floating STEERING GEAR, Worm and wheel

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock and demountable rims.

Price, 7-Passenger Touring......\$1595
3-Passenger Cloverleaf Roadster \$1595
7-Passenger Sedan.....\$1945

# WESTCOTT Touring CAR—42



#### WESTCOTT MOTOR CAR COMPANY, Richmond, Indiana

Color, Dark green or dark gray SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 121 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches, anti-skid REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 29.4 (N. A. C. C. Rating) BORE AND STROKE, 31/2 x 51/4 inches

LUBRICATION, Force feed and splash RADIATOR, Cellular COOLING, Water pump IGNITION, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Semi-floating STEERING GEAR, Worm and wheel

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock and demountable rims

Price, 5-Passenger Touring......\$1445
3-Passenger Cloverleaf Roadster \$1445
3-Passenger Cloverleaf Cabriolet \$1745



# **LEXINGTON Touring CAR—6-N**



### THE LEXINGTON-HOWARD CO., Connersville, Indiana

Color, Optional SEATING CAPACITY, Six persons Position of Driver, Left side WHEELBASE, 132 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 35 x 41/2 inches REAR TIRES, 35 x 41/2 inches, anti-skid SERVICE BRAKE, Internal expanding EMERGENCY BRAKE, Internal expanding CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 29.4 (N. A. C. C. Rating) Bore and Stroke, 31/2 x 51/4 inches LUBRICATION, Force feed and splash

RADIATOR, Cellular
COOLING, Water pump
IGNITION, High-tension magneto
STARTING SYSTEM, Single unit
STARTER OPERATED, Gear to fly wheel
LIGHTING SYSTEM, Electric
VOLTAGES, Six
WIRING SYSTEM, Single
GASOLINE SYSTEM, Vacuum
CLUTCH, Dry multiple disc
TRANSMISSION, Selective sliding
GEAR CHANGES, Three forward, one reverse
DRIVE, Spiral bevel
REAR AXLE, Full floating
STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter and demountable rims

Price, 6-Passenger Touring \$1875 Clubster .....\$1875

### STUTZ Roadster-C



#### STUTZ MOTOR CAR COMPANY, Indianapolis, Indiana

Color, Yellow, mercedes red, vermillion, or monitor gray SEATING CAPACITY, Two persons Position of Driver, Right Side WHEELBASE, 120 inches GAUGE, 561/2 inches WHEELS, Wood FRONT TIRES, 34 x 41/2 inches REAR TIRES, 34 x 41/2 inches SERVICE BRAKE, Expanding on rear wheels EMERGENCY BRAKE, Expanding on rear wheels Cylinders, Four ARRANGED, Vertically CAST, In pairs Horserower, 36.1 (N. A. C. C. Rating) Bore and Stroke, 434 x 51/2 inches

LUBRICATION, Force feed and splash RADIATOR, Cellular COOLING, Water pump IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly whee! LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Three-quarters floating STEERING GEAR, Worm and gear

PRICE INCLUDES ammeter, voltmeter and demountable rims

Price, Roadster .....\$2100
Bearcat .....\$2000 Bulldog .....\$2250

# STUTZ BULLDOG Special—C



#### STUTZ MOTOR CAR COMPANY, Indianapolis, Indiana

COLOR, Battleship gray, azure blue or mercedes red SEATING CAPACITY, Four persons Position of Driver, Right side WHEELBASE, 130 inches GAUGE, 561/2 inches Wheels, Wire FRONT TIRES, 33 x 5 inches, cord REAR TIRES, 33 x 5 inches, cord SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, In pairs Horsepower, 36.1 (N. A. C. C. Rating) Bore and Stroke, 434 x 51/2 inches

LUBRICATION, Force feed and splash RADIATOR, Cellular COOLING, Water pump IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Three-quarters floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speed-ometer, ammeter, voltmeter and demountable rims

Price, Bulldog ......\$2550 Touring .....\$2300

### CADILLAC Roadster—TYPE 53



### CADILLAC MOTOR CAR COMPANY, Detroit, Michigan

Color, Royal green SEATING CAPACITY, Two persons Position of Driver, Left side WHEELBASE, 122 inches GAUGE, 56 or 61 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight ARRANGED, V-type, 90 degrees CAST, In fours Horsepower, 31.25 (N. A. C. C. Rating) BORE AND STROKE, 31/8 x 51/8 inches

LUBRICATION, Force feed RADIATOR, Tubular Cooling, Water pump IGNITION, Generator and storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward and reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and sector

PRICE INCLUDES top, top hood, windshield, speed-ometer, ammeter, clock and demountable rims

Price .....\$2080

## CADILLAC Seven-Passenger CAR—TYPE 53



#### CADILLAC MOTOR CAR COMPANY, Detroit, Michigan

Color, Royal green SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 122 inches GAUGE, 56 or 61 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight ARRANGED, V-type, 90 degrees CAST, In fours Horsepower, 31.25 (N. A. C. C. Rating) Bore and Stroke, 31/8 x 51/8 inches

LUBRICATION, Force feed RADIATOR, Tubular Cooling, Water pump Ignition, Generator and storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward and reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and sector

PRICE INCLUDES top, top hood, windshield, speed-ometer, ammeter, clock and demountable rims

Price, 7-Passenger ......\$2080

5-Passenger Salon .....\$2080

### CADILLAC Limousine—TYPE 53



#### CADILLAC MOTOR CAR COMPANY, Detroit, Michigan

Color, Calumet green and black SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 122 inches GAUGE, 56 or 61 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight Arranged, V-type, 90 degrees CAST, In fours Horsepower, 31.25 (N. A. C. C. Rating) BORE AND STROKE, 31/8 x 51/8 inches

LUBRICATION, Force feed RADIATOR, Tubular COOLING, Water pump IGNITION, Generator and storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward and reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and sector

PRICE INCLUDES windshield, speedometer, ammeter, clock and demountable rims

 Berlin
 \$3600

 Victoria
 2400

 Coupe
 2880

# **MOLINE-KNIGHT** Touring CAR—40



#### MOLINE AUTOMOBILE COMPANY, East Moline, Illinois

striping SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 118 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc HORSEPOWER, 22.5 (N. A. C. C. Rating) PRICE INCLUDES top, top hood, windshield,

Color, Auto green and black with gold

LUBRICATION, Force feed RADIATOR, Tubular Cooling, Thermo-syphon IGNITION, High tension battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Spiral bevel REAR AxLE, Three-quarters floating STEERING GEAR, Worm and sector

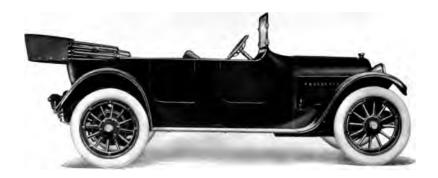
BORE AND STROKE, 334 x 5 inches

Price, 7-Passenger Touring \$1450

Roadster .....\$1450

speedometer, ammeter and demountable rims

# **MOLINE-KNIGHT** Touring CAR—50



#### MOLINE AUTOMOBILE COMPANY, East Moline, Illinois

COLOR, Blue-black with gray striping SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 128 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 25.6 (N. A. C. C. Rating) BORE AND STROKE, 4 x 6 inches

LUBRICATION, Force feed RADIATOR, Tubular Cooling, Thermo-syphon IGNITION, High-tension magneto and dry batteries STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Starting, twelve; lighting six WIRING SYSTEM, Double GASOLINE SYSTEM, Pressure CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Four DRIVE, Spiral bevel REAR AxLE, Full floating STEERING GEAR, Screw and nut

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock and demountable rims

Price, 7-Passenger Touring.\$2500 Roadster ......2500 Limousine .......\$3800 Sedan .....3250

# **MOLINE-KNIGHT** Touring CAR-40



#### MOLINE AUTOMOBILE COMPANY, East Moline, Illinois

COLOR, Auto green and black with gold striping SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 118 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc HORSEPOWER, 22.5 (N. A. C. C. Rating)

PRICE INCLUDES top, top hood, windshield,

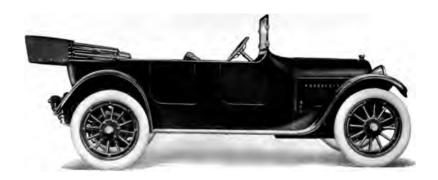
BORE AND STROKE, 334 x 5 inches LUBRICATION, Force feed RADIATOR, Tubular Cooling, Thermo-syphon Ignition, High tension battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Spiral bevel REAR AxLE, Three-quarters floating STEERING GEAR, Worm and sector

speedometer, ammeter and demountable rims

Price, 7-Passenger Touring \$1450

Roadster .....\$1450

# **MOLINE-KNIGHT** Touring CAR—50



#### MOLINE AUTOMOBILE COMPANY, East Moline, Illinois

COLOR, Blue-black with gray striping SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 128 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 25.6 (N. A. C. C. Rating) BORE AND STROKE, 4 x 6 inches

LUBRICATION, Force feed RADIATOR, Tubular Cooling, Thermo-syphon IGNITION, High-tension magneto and dry batteries STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Starting, twelve; lighting six WIRING SYSTEM, Double GASOLINE SYSTEM, Pressure CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Four DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Screw and nut

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock and demountable rims

Price, 7-Passenger Touring.\$2500 Roadster ......2500 Limousine ......\$3800 Sedan .....3250

## PREMIER Touring CAR—6-56



### PREMIER MOTOR MFG. COMPANY, Indianapolis, Indiana

Color, Dark gun metal gray SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 134 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels

ARRANGED, Vertically CAST, In threes HORSEPOWER, 38.4 (N. A. C. C. Rating) BORE AND STROKE, 4 x 51/2 inches

CYLINDERS, Six

LUBRICATION, Splash with circulating pump RADIATOR, Cellular Cooling, Water pump IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and wheel

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

7-Passenger Touring 4-Passenger Yacht Price .....\$2300

### PREMIER Roadster—6-56



#### PREMIER MOTOR MFG. COMPANY, Indianapolis, Indiana

COLOR, Dark gun metal gray

SEATING CAPACITY, Three persons

POSITION OF DRIVER, Left side

WHEELBASE, 134 inches

GAUGE, 56 inches

WHEELS, Wire

FRONT TIRES, 34 x 4½ inches

REAR TIRES, 34 x 4½ inches, anti-skid

SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear

CYLINDERS, Six
ARRANGED, Vertically
CAST, In threes
HORSEPOWER, 38.4 (N. A. C. C. Rating)
BORE AND STROKE, 4 x 5½ inches

wheels

Price Includes top, top hood, windshield, speedometer, ammeter and demountable rims

pump
RADIATOR, Cellular
COOLING, Water pump
IGNITION, Storage battery
STARTING SYSTEM, Two unit
STARTER OPERATED, Gear to fly wheel
LIGHTING SYSTEM, Electric
VOLTAGES, Six
WIRING SYSTEM, Single
GASOLINE SYSTEM, Vacuum

LUBRICATION, Splash with circulating

CLUTCH, Dry multiple disc
TRANSMISSION, Selective sliding
GEAR CHANGES, Three forward, one re
verse

DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and wheel

Price, Roadster ......\$2300 Cloverleaf Roadster ..... 2300

Speedster ......\$2300 2-Passenger Coupelet ..... 2500

### MERCER Runabout—22-72



### MERCER AUTOMOBILE COMPANY, Trenton, New Jersey

Color, Blue, green, gray or maroon SEATING CAPACITY, Two persons Position of Driver, Left side WHEELBASE, 115 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 4 inches REAR TIRES, 32 x 4 inches SERVICE BRAKE, Expanding on drive shaft EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 22.5 (N. A. C. C. Rating) BORE AND STROKE, 334 x 634 inches

LUBRICATION, Force feed RADIATOR, Cellular COOLING, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED, Fly-wheel generator and motor LIGHTING SYSTEM, Electric VOLTAGES, Twelve WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Four forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock and demountable rims

Price, Runabout ......\$2900 Raccabout ....................... 2750

## **MERCER Touring CAR—22-72**



### MERCER AUTOMOBILE COMPANY, Trenton, New Jersey

COLOR, Brown, blue, green, gray or red SEATING CAPACITY, Six persons POSITION OF DRIVER, Left side WHEELBASE, 132 inches GAUGE, 56 inches WHERLS, Wood FRONT TIRES, 34 x 41/2 inches REAR TIRES, 34 x 41/2 inches SERVICE BRAKE, Expanding on drive shaft EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc HORSEPOWER, 22.5 (N. A. C. C. Rating) BORE AND STROKE, 334 x 634 inches LUBRICATION, Force feed

RADIATOR, Cellular Cooling, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED, Fly wheel generator and motor LIGHTING SYSTEM, Electric VOLTAGES, Twelve WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Four forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speed-ometer, ammeter, voltmeter, clock and demountable rims

Price, 6-Passenger Touring \$3000

4-Passenger Sporting.....\$3000

## PEERLESS Touring—56



#### PEERLESS MOTOR CAR COMPANY, Cleveland, Ohio

CoLOR, Green SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 125 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 35 x 41/2 inches REAR TIRES, 35 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Eight ARRANGED, V-type, 90 degrees CAST, In fours HORSEPOWER, 33.8 (N. A. C. C. Rating)

BORE AND STROKE, 31/4 x 5 inches

RADIATOR, Tubular Cooling, Water pump Ignition, Storage battery and dry cells STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly-wheel LIGHTING SYSTEM, Electric VOLTAGES, Seven WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Three-quarters floating STEERING GEAR, Worm and sector

LUBRICATION, Full force feed

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter and demountable rims

Price, 7-Passenger Touring..\$1890 3-Passenger Roadster.....\$1890 Limousine....\$3060

# FRANKLIN Touring CAR



#### H. H. FRANKLIN MANUFACTURING COMPANY, Syracuse, N. Y.

Color, Brewster green with russet brown wheels SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 120 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 41/2 inches REAR TIRES, 34 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on transmission EMERGENCY BRAKE, Contracting on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, Separately

HORSEPOWER, 31.54 (N. A. C. C. Rating)

BORE AND STROKE, 356 x 4 inches LUBRICATION, Force feed IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED, Chain to crankshaft LIGHTING SYSTEM, Electric VOLTAGES, Twelve WIRING SYSTEM, Double GASOLINE SYSTEM, Gravity CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Semi-floating Steering Gear, Worm and gear

PRICE INCLUDES top, top hood, windshield and speedometer

Price, 5-Passenger Touring ........\$1950

Three · Passenger Roadster ...... \$1900 Five · Passenger Sedan ..... 2850

Four-Passenger Doctor's Car ...... \$2800 Seven-Passenger Berlin ..... \$100



#### NATIONAL MOTOR VEHICLE COMPANY, Indianapolis, Indiana

Color, National dark blue SEATING CAPACITY, Three persons Position of Driver, Left side WHEELBASE, 128 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear CYLINDERS, Twelve Arranged, V-type, 60 degrees CAST, In sixes Horsepower, 36.3 (N. A. C. C. Rating) Bore and Stroke, 234 x 434 inches

LUBRICATION, Full force feed RADIATOR, Cellular Cooling, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

# NATIONAL Highway SIX



#### NATIONAL MOTOR VEHICLE COMPANY, Indianapolis, Indiana

Color, National dark blue SEATING CAPACITY, Four persons Position of Driver, Left side WHEELBASE, 128 inches. GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 41/2 inches REAR TIRES, 34 x 41/2 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc Horsepower, 29.4 (N. A. C. C. Rating) BORE AND STROKE, 31/2 x 51/4 inches

speedometer, ammeter and demountable rims

LUBRICATION, Splash with circulating pump RADIATOR, Cellular Cooling, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield,

Price, 4-Passenger Highway...\$1690
6-Passenger Touring......\$1720
3-Passenger Roadster..... 1690
4-Passenger Coupe.......\$2350
5-Passenger Sedan.......2900

## NATIONAL Newport SIX



#### NATIONAL MOTOR VEHICLE COMPANY, Indianapolis, Indiana

Color, Optional SEATING CAPACITY, Six persons Position of Driver, Left side WHEELBASE, 134 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 37 x 5 inches REAR TIRES, 37 x 5 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 33.75 (N. A. C. C. Rating) Bore and Stroke, 31/4 x 51/2 inches

LUBRICATION, Splash with circulating pump RADIATOR, Cellular Cooling, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH. Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

Price, 6-Passenger Newport ......\$2500 5-Passenger Touring..\$2375 3-Passenger Roadster.\$2375 4-Passenger Touring.. 2375 7-Passenger Touring.. 2400 4-Passenger Coupe.... 2850 5-Passenger Sedan......\$3400

## WINTON SIX-33 Touring CAR



#### THE WINTON COMPANY, Cleveland, Ohio

Color, Optional SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 128 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, In pairs Horsepower, 33.75 (N. A. C. C. Rating) BORE AND STROKE, 334 x 51/4 inches

LUBRICATION, Force feed RADIATOR, Cellular COOLING, Water Pump IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Four DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock and demountable rims

Price, 5-Passenger 
Touring ... \$2285 
4-Passenger Touring . 2285 
A-Passenger Touring . 2285 
Three-Quarter Limousine ... 3250 
Three-Quarter ... 3250 
Three-Q

## WINTON SIX-48 Touring CAR



#### THE WINTON COMPANY, Cleveland, Ohio

Color, Optional SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 138 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 37 x 5 inches REAR TIRES, 37 x 5 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically

CAST, In pairs

BORE AND STROKE, 41/2 x 51/2 inches LUBRICATION, Force feed RADIATOR, Cellular Cooling, Water pump IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Four DRIVE, Spiral bevel REAR AXLE, Full floating HORSEPOWER, 48.6 (N. A. C. C. Rating) | STEERING GEAR, Worm and gear

> PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock and demountable rims



### PATHFINDER La Salle—1-B



#### THE PATHFINDER COMPANY, Indianapolis, Indiana

COLOR, Body, blue; running gear, black SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 130 inches GAUGE, 56 inches WHEELS, Wire FRONT TIRES, 35 x 5 inches REAR TIRES, 35 x 5 inches, anti-skid SERVICE BRAKE, Expanding on rear axle EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Twelve ARRANGED, V-type, 60 degrees

Cast, In threes HORSEPOWER, 39.68 (N. A. C. C. Rating) BORE AND STROKE, 27/8 x 5 inches

LUBRICATION, Full force feed RADIATOR, Cellular Cooling, Water pump IGNITION, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AxLE, Full floating STEERING GEAR, WORM

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, clock and demountable rims

Price, 7-Passenger .....\$2750

Clover Leaf Roadster .... \$2900

# LOZIER Touring CAR—TYPE 82



#### LOZIER MOTOR COMPANY, Detroit, Michigan

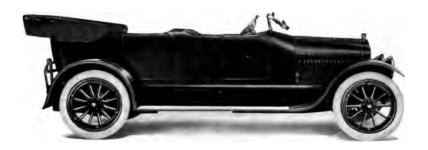
COLOR, Lozier blue SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 132 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches, anti-skid SERVICE BRAKE, Internal on rear wheels EMERGENCY BRAKE, Internal on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, In threes HORSEPOWER, 36.04 (N. A. C. C. Rating) BORE AND STROKE, 3% x 6 inches LUBRICATION, Splash with circulating pump

RADIATOR, Cellular Cooling, Water pump IGNITION, High tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AxLE, Full floating STEERING GEAR, Worm

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock and demountable rims

Price .....\$2775

## WHITE Touring CAR—30



#### THE WHITE COMPANY, Cleveland, Ohio

COLOR, White special maroon, White special gray, Cleveland gray, Brewster green or cobalt blue SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 115 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 32 x 4 inches REAR TIRES, 32 x 4 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc HORSEPOWER, 22.5 (N. A. C. C. Rating) | STEERING GEAR, Worm and sector

BORE AND STROKE, 31/4 x 51/2 inches LUBRICATION, Force feed and splash RADIATOR, Honeycomb Cooling, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED, Chain to fly wheel sprocket LIGHTING SYSTEM, Electric Voltages, Twenty-one WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum Сьитсн, Single plate in oil TRANSMISSION, Selective sliding GEAR CHANGES, Four forward, one reverse DRIVE, Plain bevel REAR AXLE, Semi-floating

PRICE INCLUDES top, top hood, windshield, speedometer and demountable rims

7-Passenger Touring ... \$2700 Town Car Landaulet ... 4000 3-Passenger Roadster ... 2650 Sedan ... 4000

## WHITE Touring CAR—45



#### THE WHITE COMPANY, Cleveland, Ohio

COLOR, White special maroon, White special gray, Cleveland gray, Brewster green or cobalt blue SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 13314 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches SERVICE BRAKE, Contracting on rear EMERGENCY BRAKE, Expanding on rear wheels Cylinders, Four ARRANGED, Vertically Horsepower, 28.9 (N. A. C. C. Rating) Bore and Stroke, 41/4 x 61/8 inches

LUBRICATION, Force feed and splash RADIATOR, Honeycomb COOLING, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED, Chain to fly wheel sprocket LIGHTING SYSTEM, Electric Voltages, Twenty-one WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum CLUTCH, Single plate in oil TRANSMISSION, Selective sliding GEAR CHANGES, Four forward, one reverse DRIVE, Plain bevel REAR AxLE, Semi-floating STEERING GEAR, Worm and sector

PRICE INCLUDES top, top hood, windshield, speedometer, clock and demountable rims

 Price
 \$3800
 Landaulet Limousine
 \$5200

 Limousine
 5200
 Semi-Touring
 5300



### WHITE Limousine—45



#### THE WHITE COMPANY, Cleveland, Ohio

COLOR, White special maroon, White special gray, Cleveland gray, Brewster green or cohalt blue SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 13334 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc HORSEPOWER, 28.9 (N. A. C. C. Rating) | Steering Gear, Worm and sector

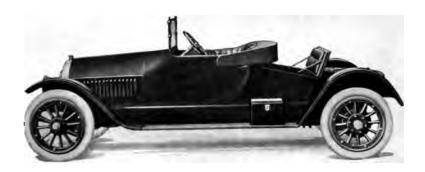
BORE AND STROKE, 41/4 x 63/6 inches LUBRICATION, Force feed and splash RADIATOR, Honeycomb Cooling, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Single unit STARTER OPERATED. Chain to fly wheel sprocket LIGHTING SYSTEM, Electric VOLTAGES, Twenty-one WIRING SYSTEM, Double GASOLINE SYSTEM, Vacuum CLUTCH, Single plate in oil TRANSMISSION, Selective sliding GEAR CHANGES, Four forward, one reverse DRIVE, Plain bevel REAR AXLE, Semi-floating

PRICE INCLUDES windshield, speedometer, clock and demountable rims

Price, Limousine....\$5200 Landaulet Limousine \$200

Semi-Touring ......\$5300 Touring ...... 3800

## AUSTIN Highway King-36-66



#### AUSTIN AUTOMOBILE COMPANY, Grand Rapids, Michigan

Color, Body, black; running gear, yellow SEATING CAPACITY, Six persons Position of Driver, Left side WHEELBASE, 142 inches GAUGE, 56 inches WHEELS, Wood or wire FRONT TIRES, 34 x 41/2 inches REAR TIRES, 34 x 41/2 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc HORSEPOWER, 36.04 (N. A. C. C. Rating) BORE AND STROKE, 3% x 51/4 inches

LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Water pump IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly-wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Multiple disc in oil TRANSMISSION, Selective sliding GEAR CHANGES, Six forward, two reverse DRIVE, Plain bevel REAR AXLE, Two-speed, full-floating STEERING GEAR, Worm and sector

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, clock and demountable rims

Price, Highway King \$2800 4-Passenger Roadster 2800 Sedan .....\$3800 Vestibule-Brougham .. 4000



## **MARMON 34 Touring CAR**



#### NORDYKE & MARMON COMPANY, Inc., Indianapolis, Indiana

COLOR, Body, dark blue; running gear, black; wheels, cream SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 136 inches GAUGE, 56 inches Wheels, Wire FRONT TIRES, 34 x 41/2 inches, cord REAR TIRES, 34 x 41/2 inches, cord SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc

BORE AND STROKE, 334 x 51/8 inches LUBRICATION, Full force feed RADIATOR, Cellular Cooling, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Twelve WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three DRIVE, Spiral bevel REAR AxLE, Three-quarters floating Horsepower, 33.75 (N. A. C. C. Rating) | Steering Gear, Worm and worm wheel

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, clock and extra wheel

Price, 7-Passenger Touring \$2950 4-Passenger Club Roadster 2950

3-Passenger Club Roadster \$2950 5-Passenger Touring Car.. 2950

## PACKARD Phaeton—1-25



### PACKARD MOTOR CAR COMPANY, Detroit, Michigan

COLOR, Body and door panels, Packard blue, striped with cream yellow; wheels, cream yellow, striped with black; chassis, black SEATING CAPACITY, Five persons Position of Driver, Left side WHEELBASE, 125 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches, cord REAR TIRES, 37 x 5 inches, cord SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Twelve ARRANGED, V-type, 60 degrees

Horsepower, 43.2 (N. A. C. C. Rating) BORE AND STROKE, 3 x 5 inches LUBRICATION, Force feed RADIATOR, Vertical tube Cooling, Water pump IGNITION, Generator with storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Seven WIRING SYSTEM, Double GASOLINE SYSTEM, Pressure CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse Drive, Spiral bevel REAR AxLE, Non-floating | STEERING GEAR, Worm and nut

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, clock and demountable rims

CAST, In sixes

 Price, 5-Passenger Phaeton
 \$2750

 7-Passenger Phaeton
 Touring
 \$2750

 5-Passenger Phaeton
 \$31 on \$2750

 5-Passenger Phaeton
 \$2750

 2-Passenger Phaeton
 \$2750

 2-Passenger Phaeton
 \$2750

 2-Passenger Phaeton
 \$2750

 3-Passenger Phaeton
 \$2750

 3-Passenger Phaeton
 \$2750

 3-Passenger Phaeton
 \$2750

## PACKARD STANDARD Touring CAR—1-35



#### PACKARD MOTOR CAR COMPANY, Detroit, Michigan

COLOR, Body and door panels, Packard blue, striped with cream yellow; wheels, cream yellow, striped with black; chassis, black SEATING CAPACITY, Seven persons Position of Driver, Left side WHERLBASE, 135 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches, cord REAR TIRES, 37 x 5 inches, cord SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels ARRANGED, V-type, 60 degrees Cast, In sixes

Horsepower, 43.2 (N. A. C. C. Rating) BORE AND STROKE, 3 x 5 inches LUBRICATION, Full force feed RADIATOR, Vertical tube Cooling, Water pump IGNITION, Generator with storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Seven WIRING SYSTEM, Double GASOLINE SYSTEM, Pressure Сцитси, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one re verse DRIVE, Spiral bevel REAR AXLE, Non-floating STEERING GEAR, Worm and nut

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, clock and demountable rims

Price, 7-Passenger Touring ......\$3150 7-Passenger Salon Touring .......3150 Touring .......3150 Touring .......\$3150 Touring .......\$3150

### PACKARD LANDAULET with Cab Sides—1-35



#### PACKARD MOTOR CAR COMPANY, Detroit, Michigan

Color, Body and door panels, Packard blue, striped with black; wheels, Packard blue, striped with black, chassis, black

SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 135 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches, cord REAR TIRES, 37 x 5 inches, cord SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear

wheels

CYLINDERS, Twelve Arranged, V-type, 60 degrees CAST, In sixes

HORSEPOWER, 43.2 (N. A. C. C. Rating) Bore and Stroke, 3 x 5 inches LUBRICATION. Force feed RADIATOR, Vertical tube Cooling, Water pump IGNITION, Generator with storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES. Seven WIRING SYSTEM, Double GASOLINE SYSTEM, Pressure Ситси, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Non-floating STEERING GEAR, Worm and nut

PRICE INCLUDES speedometer, ammeter, clock and demountable rims

Price, 7-Passenger Landaulet .....\$4650
7-Passenger Imperial Limousine with Cab Sides....\$4550
1-Passenger Limousine with Cab Sides....\$4550
7-Passenger Limousine without Cab Sides.\$4550
7-Passenger Limousine without Cab Sides. 4550
4-Passenger Brougham 4600

### McFARLAN Six—SERIES X-107



#### McFARLAN MOTOR COMPANY, Connersville, Indiana

Color, Optional SEATING CAPACITY, Seven persons POSITION OF DRIVER, Left side WHEELBASE, 132 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches, cord REAR TIRES, 36 x 41/2 inches, cord SERVICE BRAKE, External contracting on rear wheels EMERGENCY BRAKE, Internal expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, En bloc Horsepower, 48.6 (N. A. C. C. Rating)

BORE AND STROKE, 41/2 x 6 inches LUBRICATION, Force feed and splash RADIATOR, Honeycomb Cooling, Water pump IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and sector

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter and demountable rims

## **CUNNINGHAM Touring CAR—S**



#### JAS. CUNNINGHAM, SON & COMPANY, Rochester, New York

Color, Optional SEATING CAPACITY, Seven persons Position of Driver, Left side WILEELBASE, 129 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 37 x 5 inches REAR TIRES, 37 x 5 inches, anti-skid SERVICE BRAKE, Contracting on reat wheels EMERGENCY BRAKE, Internal expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically Cast, In pairs Horsepower, 36.1 (N. A. C. C. Rating) BORE AND STROKE, 434 x 534 inches

LUBRICATION, Full force feed RADIATOR, Cellular COOLING, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Electric STARTER ()PERATED, Gear in transmission LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and sector

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter and demountable rims

Price, 7-Passenger	Runabout\$3500	Limousine	\$5000
Touring\$3750	4-Passenger 3750	Landaulet	5000

## LOCOMOBILE "38" Touring CAR—R-6



### LOCOMOBILE COMPANY OF AMERICA, Bridgeport, Connecticut

Color, Optional SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 140 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 37 x 5 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically Cast, In pairs Horsepower, 43.35 (N. A. C. C. Rating) BORE AND STROKE, 41/4 x 5 inches

LUBRICATION, Pressure and internal circulating system RADIATOR, Cellular COOLING, Water pump IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Four forward DRIVE, Spiral bevel REAR AxLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock and demountable rims

 Price, 7-Passenger Touring
 7-Passenger sine
 Limoussine
 7-Passenger sine
 8-Passenger s

### **CUNNINGHAM Touring CAR—S**



#### JAS. CUNNINGHAM, SON & COMPANY, Rochester, New York

Color, Optional SEATING CAPACITY, Seven persons Position of Driver, Left side WHEELBASE, 129 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 37 x 5 inches REAR TIRES, 37 x 5 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Internal expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically Cast, In pairs Horsepower, 36.1 (N. A. C. C. Rating) BORE AND STROKE, 434 x 534 inches

LUBRICATION, Full force feed RADIATOR, Cellular Cooling, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Electric STARTER OPERATED, Gear in transmission LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Spiral bevel REAR AXLE, Full floating Steering Gear, Worm and sector

PRICE INCLUDES top, top hood, windshield, speed-ometer, ammeter, voltmeter and demountable rims

Price, 7-Passenger	Runabout\$3500	Limousine\$5000
Touring\$3750	4-Passenger 3750	Landaulet 5000

## PIERCE-ARROW FIVE-PASSENGER Touring CAR—38-C-4



#### PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, New York

COLOR, Optional

SEATING CAPACITY, Five persons

POSITION OF DRIVER, Right side

WMEELBASE, 134 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 36 x 4½ inches

REAR TIRES, 36 x 4½ inches

SERVICE BRAKE, Expanding on rear wheels

CYLINDERS, Six

ARRANGED, Vertically under hood

CAST, In pairs

Horsepower, 38.4 (N. A. C. C. Rating)

BORE AND STROKE, 4 x 51/2 inches

LUBRICATION, Force feed RADIATOR, Cellular COOLING, Water IGNITION, High-tension magneto and storage hattery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, S'x WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Four forward, one reverse DRIVE, Spiral bevel REAR AXLE, Semi-floating Steering Gear, Screw and nut

PRICE INCLUDES top, top hood, windshield, speed-ometer, autometer, clock and demountable rims

Price, 5-Passenger	4-Passenger Touring.\$4300 3-Passenger Coupe 5000	Brougham-Landaulet .\$5200 Vestibule Brougham. 5350
2-Passenger Runabout 4300	Brougham 5200 Landaulet 5200	Vestibule Landaulet 5350 Vestibule Brougham
2-Passenger Coupe 5000	Sedan 5200	Landaulet 5350

## LOCOMOBILE "48" Limousine-M-6



#### LOCOMOBILE COMPANY OF AMERICA, Bridgeport, Connecticut

Color, Optional SEATING CAPACITY, Seven persons POSITION OF DRIVER, Left side WHEELBASE, 143 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 37 x 5 inches REAR TIRES, 37 x 5 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, In pairs HORSEPOWER, 48.6 (N. A. C. C. Rating) BORE AND STROKE, 41/2 x 51/2 inches

LUBRICATION, Pressure and internal circulating system RADIATOR, Cellular Cooling, Water pump IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Double GASOLINE SYSTEM, Pressure CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Four forward DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES windshield, speedometer, ammeter, voltmeter, clock and demountable rims

Price, 7-Passenger 6-Passenger Touring, \$5100 7-Passenger Landaulet \$6300 7-Passenger Berline.. 6500

## PIERCE-ARROW FIVE-PASSENGER Touring CAR—38-C-4



#### PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, New York

Color, Optional SEATING CAPACITY, Five persons Position of Driver, Right side WHEELBASE, 134 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 36 x 41/2 inches SERVICE BRAKE, Expanding on rear EMERGENCY BRAKE, Contracting on rear wheels CYLINDERS, Six ARRANGED, Vertically under hood CAST, In pairs HORSEPOWER, 38.4 (N. A. C. C. Rating) Bore and Stroke, 4 x 51/2 inches

LUBRICATION, Force feed RADIATOR, Cellular COOLING, Water IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, S'x WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Four forward, one reverse Drive, Spiral bevel REAR AXLE, Semi-floating Steering Gear, Screw and nut

PRICE INCLUDES top, top hood, windshield, speed-ometer, autometer, clock and demountable rims

2-Passenger Runabout 4300 3-Passenger Runabout 4300	3-Passenger Coupe 5000 Brougham 5200 Landaulet 5200	Vestibule Brougham-
2-Passenger Coupe 5000	Sedan 5200	Landaulet 5350

## PIERCE-ARROW SEVEN-PASSENGER Touring CAR-48-B-4



#### PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, New York

Color, Optional SEATING CAPACITY, Seven persons Position of Driver, Right side WHEELBASE, 142 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 37 x 5 inches REAR TIRES, 37 x 5 inches SERVICE BRAKE, Expanding on rear | WIRING SYSTEM, Single wheels EMERGENCY BRAKE, Contracting on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, In pairs Horsepower, 48.6 (N. A. C. C. Rating) BORE AND STROKE, 41/2 x 51/2 inches LUBRICATION, Force feed

RADIATOR, Cellular COOLING, Water IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six GASOLINE SYSTEM, Pressure CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Four forward, one reverse DRIVE, Spiral bevel REAR AxLE, Semi-floating Steering Gear, Screw and nut

PRICE INCLUDES top, top hood, windshield, speedometer, autometer, clock and demountable rims

Price, 7-Passenger	4-Passenger Touring.\$4900	Vestibule Suburban \$6200
Touring\$5000	5-Passenger Touring., 4900	Vestibule Landau 6200
2-Passenger Runabout 4900	Suburban 6000 Landau 6000	Vestibule Brougham., 5950
2-Passenger Coupe 5700	Brougham 5800	Vestibule Suburban-
J-Passenger Coupe 5700	Suburban-Landau 6000	Landau 6200

## PIERCE-ARROW Vestibule SUBURBAN-66-A-4



### PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, New York

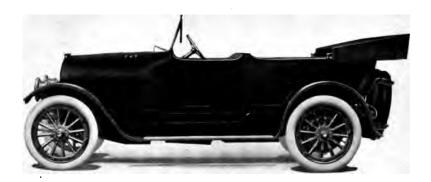
Color, Optional SEATING CAPACITY, Seven persons POSITION OF DRIVER, Right side WHEELBASE, 1471/2 inches GAUGE, 57 inches WHEELS, Wood FRONT TIRES, 37 x 5 inches REAR TIRES, 38 x 51/2 inches SERVICE BRAKE, Expanding on rear wheels EMERGENCY BRAKE. Contracting on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, In pairs HORSEPOWER, 60 (N. A. C. C. Rating) BORE AND STROKE, 5 x 7 inches

LUBRICATION, Force feed RADIATOR, Cellular COOLING. Water IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Four forward, one reverse DRIVE, Spiral bevel REAR AXLE, Semi-floating STEERING GEAR, Screw and nut

PRICE INCLUDES windshield, speedometer, autometer, clock and demountable rims

Price, Vestibule Sub-	4-Passenger Touring. \$5900	Suburban-Landau\$7000
urban\$7200 2-Passenger Runabout 5900	5-Passenger Touring 5900 7-Passenger Touring 6000	Vestibule Landau 7200
3-Passenger Runabout 5900	Suburban 7000	Vestibule Brougham. 6950
2-Passenger Coupe 6700	Landau 7000	Vestibule Suburban-
3-Passenger Coupe 6700	Brougham ccou	Landau 7200

### F. I. A. T. Riviera-55



### F. I. A. T., Poughkeepsie, New York

COLOR, F. I. A. T. blue, green, maroon, or gray SEATING CAPACITY, Seven persons Position of Driver, Right side WHEELBASE, 128 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 37 x 5 inches SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 42.03 (N. A. C. C. Rating) | Steering Gear, Worm and wheel

BORE AND STROKE, 51/8 x 63/4 inches LUBRICATION, Full force feed RADIATOR, Honeycomb COOLING, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Four forward, one reverse | DRIVE, Plain bevel | REAR AXLE, Semi-floating PRICE INCLUDES top, top hood, windshield, speed ometer, ammeter, clock and demountable rims

Price, 7-Passenger Touring \$4850 Limousine ...... 5850

### SIMPLEX Landaulet LIMOUSINE



### SIMPLEX AUTOMOBILE COMPANY, Inc., New Brunswick, New Jersey

CoLOR, Optional SEATING CAPACITY, Seven persons POSITION OF DRIVER, Left side WHEELBASE, 1431/2 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 41/2 inches REAR TIRES, 37 x 5 inches SERVICE BRAKE, Contracting on drive shaft EMERGENCY BRAKE, Contracting on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, In threes Horsepower, 46 (N. A. C. C. Rating) Bore and Stroke, 43% x 61/4 inches

LUBRICATION, Pressure and internal circulating system RADIATOR, Cellular Cooling, Water pump IGNITION, High tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Pressure CLUTCH, Single plate TRANSMISSION, Selective sliding GEAR CHANGES, Four forward DRIVE, Spiral bevel REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, top hood, windshield, speedometer, ammeter, voltmeter, clock and demountable rims

 Price, chassis
 \$5000

 6-Passenger Touring
 \$6900
 7-Passenger Berline
 \$8000

 7-Passenger Limousine
 7500
 7-Passenger Landaulet
 \$300

7

•



ILLUSTRATIONS AND SPECIFICATIONS E L E C T R I C PASSENGER V E H I C L E S

# BEARDSLEY ELECTRIC Brougham—100



### BEARDSLEY ELECTRIC COMPANY, Los Angeles, California

COLOR, Black body with blue or green panels, and black or white enamelled wheels

SEATING CAPACITY, Five persons Body:

Length All Over, 156 inches Width All Over, 66 inches

WHERLBASE, 104 inches

WHEELBARE, 107 II

GAUGE, 56 inches

WHEELS, Houk patented wire

Front and Rear Tires, 33  $\times$  4 inches,

Goodrich Silvertown Cord

Brake Systems, Double internal expanding on rear wheels

BATTERY, 38 cells, 13 plate

MILEAGE RADIUS, 80 to 100 miles

No. FORWARD SPEEDS, Five

No. Reverse Speeds, Five

CONTROL, Patented Duplex vertical lever, horizontal handle

Steering, Lever

**Weight**, 3600

Prices, 5-Passenger Brougham\$3000	4-Passenger Victoria\$2500
2-Passenger Roadster 2500	4-Passenger Coupe 2250
2-Passenger Light Co	oupe 1285

# MILBURN LIGHT ELECTRIC Coupe—15



### MILBURN WAGON COMPANY, Toledo, Ohio

Color, Blue

SEATING CAPACITY, Four persons

WHEELBASE, 100 inches

GAUGE, 50 inches

FRONT TIRES, 30 x 31/2 inches, pneumatic

REAR TIRES, 30 x 31/2 inches, pneumatic

Brake Systems, Contracting and expanding on rear wheels

BATTERY, 22 cells, 15 plate

Speed, 20 miles per hour

No. FORWARD SPEEDS, Four

No. Reverse Speeds, Two

CONTROL, Lever

Steering, Lever

Price, Coupe .....\$1485

Roadster .....\$1285

## **DETROIT ELECTRIC Brougham—57**



### ANDERSON ELECTRIC CAR COMPANY, Detroit, Michigan

Color, Blue, green or maroon

SEATING CAPACITY, Four persons

Body:

LENGTH ALL OVER, 142 inches WIDTH ALL OVER, 67 inches

WHEELBASE, 100 inches

GAUGE, 56 inches

WHEELS, Optional

FRONT TIRES, 34 x 4 inches, pneumatic

REAR TIRES, 36 x 41/2 inches, anti-skid cushion

Brake Systems, Expanding on rear wheels; also magnetic controller brake

BATTERY, 42 cells, 15 plate

Speed, 21 miles per hour

No. Forward Speeds, Five

No. REVERSE SPEEDS, Five

CONTROL, Lever operated

Steering, Lever

Price, Brougham...... \$2175 3-Passenger Cabriolet... 2075 5-Passenger Rear Drive.. 2225 5 - Passenger Duplex Drive. \$2275 5-Passenger Forward Drive 2250 4-Passenger Rear Drive... 1975

## CHICAGO ELECTRIC Limousine—162



### WALKER VEHICLE COMPANY, Chicago, Illinois

COLOR, Blue, green or maroon
SEATING CAPACITY, Five persons

Body:

Length all over, 150½ inches Width all over, 72¼ inches Wheelbase, 104 inches

GAUGE, 56 inches

WHEELS, Optional

FRONT TIRES, 36 x 4½ inches, anti-skid cushion

REAR TIRES, 36 x 4½ inches, anti-skid cushion

Brake Systems, Expanding on rear wheels, also mechanical hand brake
Battery, Lead, 40 cells, 11, 13 or 15 plate, Edison 60 cell G7
Speed, 22 miles per hour
No. Forward Speeds, Five

No. REVERSE SPEEDS, Five

CONTROL, Lever operated
Steering, Ball-bearing lever

# **WAVERLEY ELECTRIC—110**



## THE WAVERLEY COMPANY, Indianapolis, Indiana

CoLOR, Black

SEATING CAPACITY, Four persons

Body:

LENGTH ALL OVER, 124 inches Width All Over, 56 inches

WHEELBASE, 95 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 32 x 4 inches, pneumatic or

REAR TIRES, 32 x 4 inches, pneumatic of cushion

Brake Systems, Hub brakes

BATTERY, 42 cells, 11 plate

Speed, 20 miles per hour

No. FORWARD SPEEDS, FOUR

No. Reverse Speeds, Two

CONTROL, Lever operated

Steering, Lever

Price .....\$2150

Four-Chair Brougham....\$2200

## **AMERICAN-BORLAND—50**



### BORLAND-GRANNIS COMPANY, Saginaw, Michigan

CoLOR, Optional SEATING CAPACITY, Four persons

LENGTH ALL OVER, 12034 inches WIDTH ALL OVER, 671/2 inches

WHEELBASE, 96 inches

GAUGE, 56 inches

TIRE DIMENSIONS: FRONT, 34 x 4 inches (pneumatic or cushion) REAR, 34 x 4 inches (pneumatic or

cushion)

Brake Systems, Internal expanding on rear wheels

BATTERY, 40 cells, 11 plate

Speed, 22 miles per hour

No. Forward Speeds, Six

No. Reverse Speeds, Three

CONTROL, Lever operated

STEERING, Lever

Price .......\$2550 Roadster ......\$2250 Limousine ......\$5500

## BAKER Coupe D. A.—6



### THE BAKER R. & L. CO., Cleveland, Ohio

Color, Optional

SEATING CAPACITY, Four persons

Bony:

LENGTH ALL OVER, 126 inches WIDTH ALL OVER, 661/2 inches

WHEELBASE, 90 inches

GAUGE, 56 inches

WHEELS, Optional

FRONT TIRES, 32 x 4 inches, pneumatic

REAR TIRES, 34 x 4 inches, cushion

Brake Systems, Internal expanding or rear wheels

BATTERY, 36 cells, 11 plate

SPEED, 23 miles per hour

No. Forward Speeds, Seven

No. REVERSE SPEEDS, Three

CONTROL, Lever operated

STEERING, Optional

Price .....\$2475

### RAUCH & LANG Coach—J-6



### THE BAKER R. & L. CO., Cleveland, Ohio

Color, Optional

SEATING CAPACITY, Five persons

Body:

LENGTH ALL OVER, 144 inches WIDTH ALL OVER, 64 inches

WHEELBASE, 100 inches

GAUGE, 56 inches

WHEELS, Optional

FRONT TIRES, 34 x 4½ inches; or, 36 x 4½ inches, cushion

REAR TIRES, 33 x 4½ inches; or, 36 x 4½ inches, cushion

Brake Systems, Contracting on motor and expanding on rear wheels; also electric brake

BATTERY, 42 cells, 11 plate

SPEED, 26 miles per hour

No. Forward Speeds, Six

No. REVERSE SPEEDS, Three

CONTROL, Dual lever

STEERING, Lever

Price .....\$3000

# WOODS DUAL POWER Coupe—Model 44



### WOODS MOTOR VEHICLE COMPANY, Chicago, Illinois

Color, Blue or green

SEATING CAPACITY, Four persons

Bopy:

Length All Over, 150 inches Width All Over, 65 inches

WHEELBASE, 110 inches

GAUGE, 56 inches

WHEELS, Artillery

FRONT TIRES, 34 x 4 inches, pneumatic

REAR TIRES, 34 x 4 inches, pneumatic

Brake System, Dynamic, supplemented by mechanical

BATTERY, 24 cells, 11 plates each

Speed, 35 miles per hour

No. FORWARD SPEEDS, Unlimited

No. REVERSE SPEEDS, Unlimited

CONTROL, Two finger levers on steering wheel

Steering, Wheel

## **WOODS ELECTRIC—16-1522**



### WOODS MOTOR VEHICLE COMPANY, Chicago, Illinois

Color, Optional

SEATING CAPACITY, Four persons

Body:

LENGTH ALL OVER, 1197/8 inches WIDTH ALL OVER, 601/8 inches

WHEELBASE, 100 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 34 x 4 inches, cushion or pneumatic

REAR TIRES, 38 x 4½ inches, cushion or pneumatic

Brake Systems, Contracting on armature shaft and expanding on rear wheels

BATTERY, 42 cells, 13 plate

SPEED, 25 miles per hour

No. Forward Speeds, Five

No. REVERSE SPEEDS, Five

CONTROL, Lever operator

STEERING, Lever

Price .....\$2850

## OHIO ELECTRIC Brougham-62



### OHIO ELECTRIC CAR COMPANY, Toledo, Ohio

CoLOR, Coach blue

SEATING CAPACITY, Five persons

LENGTH ALL OVER, 1471/2 inches WIDTH ALL OVER, 65 inches

WHEELBASE, 103 inches

GAUGE, 56 inches

WHEELS, Optional

FRONT TIRES, 34 x 41/2 inches, pneumatic; | Control, Magnetic or, 36 x 41/2 inches, cushion

REAR TIRES, 34 x 41/2 inches, pneumatic; or, 36 x 41/2 inches, cushion

Brake Systems, Double contracting on rear wheels with magnetic brake on motor

BATTERY, 40 cells, 13 plate

Speed, Twenty-eight miles per hour

No. FORWARD SPEEDS, Five

No. REVERSE SPEEDS, Three

Steering, Lever

Price, Brougham .....\$3250 Single-Drive Brougham .... 2900

Single-Drive Coupe....\$2400 Roadster ...... 2650

### AMERICAN-BROC Double-Drive BROUGHAM--36



### AMERICAN ELECTRIC CAR COMPANY, Saginaw, Michigan

COLOR, Optional

SEATING CAPACITY, Five persons

Ronv

LENGTH ALL OVER, 123 inches WIDTH ALL OVER, 68 inches

WHEELBASE, 96 inches

GAUGE, 56 inches

TIRE DIMENSIONS:

FRONT, 34 x 4 inches (pneumatic), or; 36 x 4 inches (cushion)

REAR, 34 x 4 inches (pneumatic), or; 36 x 4 inches (cushion)

Brake Systems, Contracting on drive shaft and expanding on rear wheels

BATTERY, 40 cells, 11 plate

Speed, 24 miles per hour

No. FORWALD SPEEDS, Five

No. REVERSE SPEEDS, Five

CONTROL, Lever operated

Steering, Lover

Price, Double-Drive Brougham.....\$3200 Model 33 Rear-Drive Brougham....\$3100 Brougham....\$3150

## OHIO ELECTRIC Brougham—62



### OHIO ELECTRIC CAR COMPANY, Toledo, Ohio

Color, Coach blue

SEATING CAPACITY, Five persons

LENGTH ALL OVER, 1471/2 inches WIDTH ALL OVER, 65 inches

WHEELBASE, 103 inches

GAUGE, 56 inches

WHEELS, Optional

FRONT TIRES, 34 x 41/2 inches, pneumatic; | CONTROL, Magnetic or, 36 x 41/2 inches, cushion

REAR TIRES, 34 x 4½ inches, pneumatic; or, 36 x 41/2 inches, cushion

BRAKE SYSTEMS, Double contracting on rear wheels with magnetic brake on motor

BATTERY, 40 cells, 13 plate

SPEED, Twenty-eight miles per hour

No. Forward Speeds, Five

No. REVERSE SPEEDS, Three

Price, Brougham ......\$3250 Single-Drive Brougham .... 2900

Single-Drive Coupe....\$2400 Roadster .......2650

## AMERICAN-BROC Double-Drive BROUGHAM-36



### AMERICAN ELECTRIC CAR COMPANY, Saginaw, Michigan

Color, Optional

SEATING CAPACITY, Five persons

Ronv.

LENGTH ALL OVER, 123 inches WIDTH ALL OVER, 68 inches

WHEELBASE, 96 inches

GAUGE, 56 inches

TIRE DIMENSIONS:

FRONT, 34 x 4 inches (pneumatic), or; 36 x 4 inches (cushion) REAR, 34 x 4 inches (pneumatic), or;

REAR, 34 x 4 inches (pneum 36 x 4 inches (cushion) BRAKE SYSTEMS, Contracting on drive shaft and expanding on rear wheels

BATTERY, 40 cells, 11 plate

Speed, 24 miles per hour

No. FORWARD SPEEDS, Five

No. REVERSE SPEEDS, Five

CONTROL, Lever operated

Steering, Lever

Price, Double-Drive Brougham.....\$3200 Model 33 Rear-Drive Brougham....\$3100 Brougham....\$3150

.

.



ILLUSTRATIONS AND SPECIFICATIONS GASOLINE COMMERCIAL VEHICLES

## OVERLAND MODEL 75 Delivery CAR



#### THE WILLYS-OVERLAND COMPANY, Toledo, Ohio

RADIATOR, Cellular

Color, Black CARRYING CAPACITY, 750 pounds, one passenger Position of Driver, Left side WHEELBASE, 104 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 31 x 4 inches REAR TIRES, 31 x 4 inches, non-skid SERVICE BRAKE, Contracting 12 % x 134 EMERGENCY BRAKE, Expanding 12 x 134 CYLINDERS, Four ARRANGED, En bloc Cast, Vertically Horsepower, 20.25 Bore and Stroke, 31/8 x 5 inches LUBRICATION, Constant level splash system with plunger oil pump

COOLING, Thermo-syphon

IGNITION, High-tension magneto

STARTING SYSTEM, Two-unit

STARTER OPERATED, Gear to fly wheel

LIGHTING SYSTEM, Electric

VOLTAGES, Six

WIRING SYSTEM, Single

GASOLINE SYSTEM, Gravity

CLUTCH, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward, one reverse

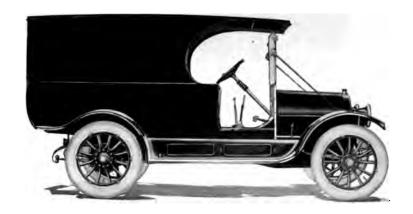
DRIVE, Worm

REAR AXLE, Floating

STEERING GEAR, Worm and full gear

Price ......\$595
Two full width upholstered seats \$25 extra

# OVERLAND MODEL 83B Delivery CAR



### THE WILLYS-OVERLAND COMPANY, Toledo, O.

Color, Black CARRYING CAPACITY, 800 pounds, two pas-Position of Driver, Left side GAUGE, 56 inches WHEELBASE, 106 inches FRONT TIRES, 33 x 4 inches REAR TIRES, 33 x 4 inches, non-skid WHEELS, Wood SERVICE BRAKE, Contracting 1336 x 21/4 inches EMERGENCY BRAKE, Expanding 13 x21/4 inches CYLINDERS, Four ARRANGED, En bloc CAST, Vertically Horsepower, 35 horsepower

Bore and Stroke, 41/8 x 41/2 inches

LUBRICATION, Constant level splash system, with geared oil pump RADIATOR, Cellular Cooling, Thermo-syphon IGNITION, High-tension magneto STARTING SYSTEM, Two-unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Worm REAR AxLE, Floating

STEERING GEAR, Worm and full gear

Price .....\$695

# VIM Half-Ton DE LUXE DELIVERY



# VIM MOTOR TRUCK COMPANY, Philadelphia, Pa.

COLOR, Body, blue; wheels, red
CARRYING CAPACITY, 1000 pounds
POSITION OF DRIVER, Left side
WHEELBASE, 100 inches
GAUGE, 56 inches
WHEELS, Wood
FRONT TIRES, 31 x 4 inches
REAR TIRES, 31 x 4 inches
SERVICE BRAKE, Contracting on rear wheels
EMERGENCY BRAKE, Expanding on rear wheels

wheels
Cylinders, Four

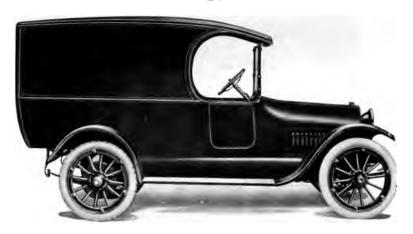
CYLINDERS, Four Arranged, Vertically Cast, En bloc HORSEPOWER, 14.4 (N. A. C. C. Rating)
BORE AND STROKE, 3 x 4½ inches
LUBRICATION, Full splash
RADIATOR, Cellular
COOLING, Water
IGNITION, High-tension magneto
LIGHTING SYSTEM, Gas
GASOLINE SYSTEM, Gravity
CLUTCH, Cone
TRANSMISSION, Selective sliding
GEAR CHANGES, Three forward, one reverse
DRIVE, Plain bevel
REAR AXLE, Three-quarters floating

PRICE INCLUDES top, top hood, windshield and demountable rims

With Undertaker's Body...\$875 With Express Body....... 775

STEERING GEAR, Worm and sector

# STUDEBAKER 1000-Pound COMMERCIAL CAR —SF



#### STUDEBAKER CORPORATION OF AMERICA, Detroit, Michigan

COLOR, Body, blue; running gear, black CARRYING CAPACITY, 1000 pounds Position of Driver, Left side WHEELEASE, 112 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches REAR TIRES, 34 x 4 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS. Four ARRANGED, Vertically CAST, En bloc Horsepower, 24.03 (N. A. C. C. Rating) BORE AND STROKE, 378 x 5 inches

LUBRICATION, Splash with circulating RADIATOR, Tubular Cooling, Water pump IGNITION, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED; Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AxLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES top, windshield, speedometer, battery indicator and demountable rims

 Price, Chassis
 \$785

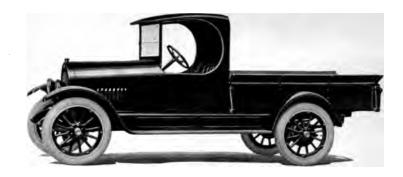
 Express Body
 850

 Panel Body
 875

 Combination Passenger and Express
 1.Ton Stake Body
 1150

 1.6-Passenger Bus
 1400

# JEFFERY 1500-Pound RAPID SERVICE WAGON



#### THE THOMAS B. JEFFERY COMPANY, Kenosha, Wisconsin

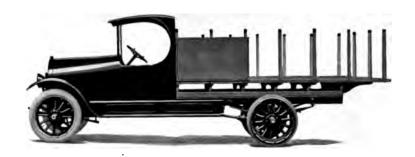
COLOR, Chassis, lead CARRYING CAPACITY, 1,500 pounds Position of Driver, Left side WHERLBASE, 116 inches Gauge, Front, 56 inches; rear, 56 inches WHEELS: Front Tires, 35 x 4½ inches, pneumatic Rear Tires, 35 x 4½ inches, pneumatic SERVICE BRAKE, External, contracting on rear wheel brake drum EMERGENCY BRAKE, External, contracting on propellor shaft CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 22.50 (N. A. C. C. Rating) Bore and Stroke, 334 x 514 inches LUBRICATION, Force feed and splash

RADIATOR, Honeycomb Cooling, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Bijur two-unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single unit GASOLINE SYSTEM, Vacuum Ситси, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Shaft and spiral gear REAR AxLE, Three-quarters floating Steering Gear, Worm and wheel

PRICE OF CHASSIS INCLUDES driver's seat, fore-doors, hood and windshield and equipment complete.

Price, Chassis ...... \$900 With standard flare board express body, \$960 With panel body....1,000 With canopy top express body, \$990. Driver's cab, \$35

# JEFFERY One and One-Half-Ton ALL-PURPOSE TRUCK



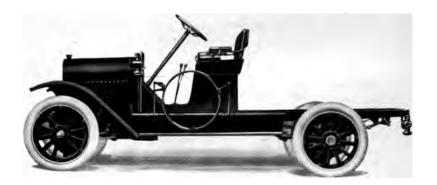
#### THE THOMAS B. JEFFERY COMPANY, Kenosha, Wisconsin

Color, Chassis, lead CARRYING CAPACITY, 3,000 pounds Position of Driver, Left side WHEELBASE, 130 inches GAUGE, Front, 56 inches; rear, 59 inches Wheels, Wood FRONT TIRES, 34 x 41/2 inches, pneumatic REAR TIRES, 34 x 4 inches, solid SERVICE BRAKE, External, contracting on rear wheel brake drums EMERGENCY BRAKE, External, contracting on propellor shaft CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 22.50 (N. A. C. C. Rating) Bore and Stroke, 334 x 514 inches LUBRICATION, Force feed and splash

RADIATOR, Honeycomb COOLING, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Two-unit Bijur STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single unit GASOLINE SYSTEM, Vacuum Сцитсн, Dry multiple disc TRANSMISSION. Selective sliding GEAR CHANGES, Three forward, one re-DRIVE, Shaft-internal gear REAR AxLE, Semi-Floating M. & S. Differential STEERING GEAR, Worm and nut

PRICE OF CHASSIS INCLUDES driver's seat, cushion, hood and cowl dash with foredoors and windshield, extra demountable rim, electric starting and lighting system, speedometer and duplex governor.

# KISSEL-KAR One-Thousand-Pound DELIVERY



#### KISSEL MOTOR CAR COMPANY, Hartford, Wisconsin

Color, Lead

CARRYING CAPACITY, 1000 pounds

POSITION OF DRIVER, Left side

WHEELBASE, 115 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 32 x 4 inches

REAR TIRES, 32 x 4 inches, anti-skid

SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Contracting on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, En bloc

Horsepower, 24.03 (N. A. C. C. Rating)

Bore and Stroke, 378 x 51/2 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Square tube

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Vacuum

Ситси, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Three

DRIVE, Spiral bevel

REAR AXLE, Full floating

STEERING GEAR, Split nut and worm

Price, Chassis......\$950

With Standard Stake or Express Body .....\$1075

# KISSEL-KAR Two-Ton TRUCK



#### KISSEL MOTOR CAR COMPANY, Hartford, Wisconsin

Color, Lead

CARRYING CAPACITY, Two tons

POSITION OF DRIVER, Left side

WHEELBASE, 144 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 34 x 31/2 inches, single solid

REAR TIRES, 36 x 6 inches, single solid

Service Brake, Expanding on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

Cast, En bloc

Horsepower, 28.9 (N. A. C. C. Rating)

Bore and Stroke, 41/4 x 51/2 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Square tube

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Vacuum

CLUTCH, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Four

DRIVE, Worm

REAR AXLE, Full floating

STEERING GEAR, Split nut and worm

Price, Chassis.....\$2100

With Standard Stake or Express Body ......\$2250

# KISSEL-KAR One-Ton TRUCK



#### KISSEL MOTOR CAR COMPANY, Hartford, Wisconsin

Color, Lead

CARRYING CAPACITY, One ton

POSITION OF DRIVER, Left side

WHEELBASE, 132 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 35 x 41/2 inches, plain, or; 34 x 3 inches, solid

REAR TIRES, 35 x 41/2 inches, anti-skid, or; 34 x 4 inches, solid

SERVICE BRAKE, Expanding on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, En bloc

Horsepower, 24.03 (N. A. C. C. Rating)

BORE AND STROKE, 378 x 51/2 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Square tube

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Vacuum

CLUTCH, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Three

DRIVE, Worm

REAR AXLE, Semi-floating

Steering Gear, Worm and sector

# DENBY Three-quarter-Ton TRUCK WITH EXPRESS BODY—TYPE U



#### DENBY MOTOR TRUCK COMPANY, Detroit, Michigan

Color, Body, blue; chassis, red

CARRYING CAPACITY, 34 ton

Position of Driver, Left side

WHEELBASE, 119 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 34 x 3 inches, solid

REAR TIRES, 34 x 31/2 inches, solid

SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

Cylinders, Four

ARRANGED, Vertically

CAST, En bloc

HORSEPOWER, 15.63 (N. A. C. C. Rating)

BORE AND STROKE, 31/8 x 41/2 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Tubular

Cooling, Thermo-syphon

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

Сцитси, Dry multiple disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Three

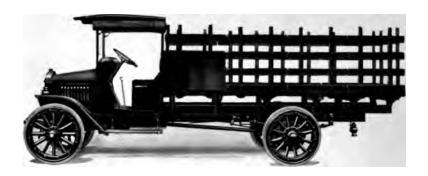
Drive, Internal gear

REAR Axi.e, Dead

STEERING GEAR, Worm and nut

With Electric Starter, Generator, Battery and Lights...... \$975 

# DENBY One-and-One-half-Ton TRUCK WITH STANDARD STAKE BODY—TYPE D



#### DENBY MOTOR TRUCK COMPANY, Detroit, Michigan

Color, Lead

CARRYING CAPACITY, 11/2 tons

Position of Driver, Left side

WHEELBASE, 144 inches

GAUGE, Front, 561/2 inches; rear, 591/2 inches

WHEELS, Wood

FRONT TIRES, 36 x 31/2 inches, solid

REAR TIRES, 36 x 5 inches, solid

SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, En bloc

Horsepower, 22.5 (N. A. C. C. Rating)

BORE AND STROKE, 334 x 5 inches

LUBRICATION, Splash with circulating

RADIATOR, Tubular

Cooling, Thermo-syphon

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

CLUTCH, Dry multiple disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Three

Drive, Internal gear

REAR AxLE, Dead

STEERING GEAR, Worm and wheel

Price, Chassis. . . . . . . \$1685 With Baggage Transfer With Standard Stake Body. 1845 Body . . . . . . . . \$1840 With Coal and Coke Body. \$2000

# STERLING 1500-Pound TRUCK



#### STERLING MOTOR TRUCK COMPANY, West Allis, Wisconsin

COLOR, Optional
CARRYING CAPACITY, 1500 pounds
POSITION OF DRIVER, Behind motor
WHEELBASE, 127 inches
GAUGE, 56 inches
WHEELS, Wood
FRONT TIRES, 34 x 4 inches, pneumatic
REAR TIRES, 34 x 4 inches, anti-skid, pneu-

matic
Service Brake, Expanding on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four Arranged, Vertically CAST, En bloc

Horsepower, 15.63 (N. A. C. C. Rating)

Bore and Stroke,  $3\frac{1}{8} \times 4\frac{1}{2}$  inches

LUBRICATION, Pump over and splash

RADIATOR, Tubular

Cooling, Thermo-syphon

IGNITION, High-tension magneto and storage battery

GASOLINE SYSTEM, Gravity

Сьитси, Dry multiple disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward

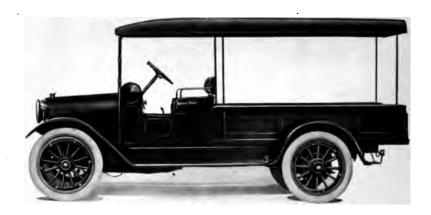
Drive, Worm

REAR AxLE, Semi-floating

STEERING GEAR, Worm and nut

PRICE INCLUDES windshield and hubometer

# REO Three-quarter-Ton TRUCK—F



#### REO MOTOR CAR COMPANY, Lansing, Michigan

COLOR, Body, golden olive, running gear, red CARRYING CAPACITY, 1500 pounds Position of Driver, Left side WHEELBASE, 120 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 41/2 inches REAR TIRES, 34 x 41/2 inches, anti-skid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear CYLINDERS, Four ARRANGED, Vertically CAST, In pairs Horsepower, 27.23 (N. A. C. C. Rating) Bore and Stroke, 41/8 x 41/2 inches

LUBRICATION, Splash with circulating pump RADIATOR, Tubular COOLING, Water pump Ignition, Storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Chain to transmission shaft LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Double GASOLINE SYSTEM, Gravity CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Plain bevel REAR AXLE, Full floating Steering Gear, Pinion and sector

PRICE INCLUDES top, windshield, speed-ometer, ammeter and demountable rims

## REO Two-Ton TRUCK-J



## REO MOTOR CAR COMPANY, Lansing, Michigan

COLOR, Lead

CARRYING CAPACITY, 4000 pounds

Position of Driver, Left side

WHEELBASE, 146 inches

Gauge, Front, 5934 inches; rear, 6278 inches

WHEELS, Wood

FRONT TIRES, 36 x 4 inches, solid

REAR TIRES, 36 x 31/2 inches, dual solid

SERVICE BRAKE, Contracting on jack shaft

EMERGENCY BRAKE, Contracting on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

Cast, In pairs

HORSEPOWER, 27.23 (N. A. C. C. Rating) | STEERING GEAR, Pinion and sector

Bore and Stroke, 41/8 x 41/2 inches

LUBRICATION, Splash with circulating

RADIATOR, Tubular

Cooling, Water pump

IGNITION, Low tension magneto and dry cells

GASOLINE SYSTEM, Gravity

CLUTCH, Dry multiple disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward, one re-

DRIVE, Side chain drive to rear wheels

REAR AXLE, Dead

PRICE INCLUDES cab

Express Body with
Top ......\$1960
Express Body with
Top and Screen
Sides ..... 2005

# PALMER-MOORE 3/4-Ton TRUCK-K



#### PALMER-MOORE COMPANY, Syracuse, New York

COLOR, Optional
CARRYING CAPACITY, 1500 to 2500 pounds
POSITION OF DRIVER, Left side
WHEELBASE, 106 inches
TREAD, 56 inches
WHEELS, Wood
FRONT TIRES, 36 x 3 inches, single solid
REAR TIRES, 36 x 3½ inches, single solid
SERVICE BRAKE, Expanding on rear wheels
CYLINDERS, Four
ARRANGED, Vertically
CAST, In pairs
HORSEPOWER, 25 at 1500 r.p.m.
BORE AND STROKE, 3½ x 5½ inches

LUBRICATION, Pressure and internal circulating system

RADIATOR, Helical tube sections

COOLING, Thermo-syphon

IGNITION, High tension magneto

STARTING SYSTEM, Optional

LIGHTING SYSTEM, Oil

WIRING SYSTEM, Single

GASOLINE SYSTEM, Gravity

CLUTCH, Multiple disc

TRANSMISSION, Selective sliding, three speed forward and reverse

DRIVE, Internal gear

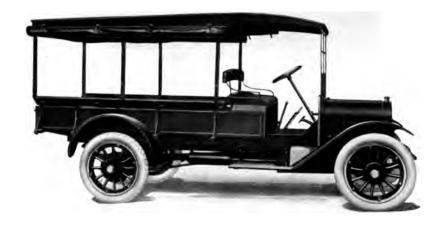
REAR AXLE, Solid beam

STEERING GEAR, Worm and nut

EQUIPMENT INCLUDES set of tools in kit—horn—mudguards—lamps

Price, chassis (including front body).....\$1150 One-Ton (including front body)............ 1350

# G. M. C. 1500-Pound TRUCK-15



#### GENERAL MOTORS TRUCK CO., Pontiac, Michigan

Color, G. M. C. gray, Brewster green, or dark red

CARRYING CAPACITY, 1500 pounds

Position of Driver, Left side

WHEELBASE, 122 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 35 x 5 inches, pneumatic

REAR TIRES, 35 x 5 inches, pneumatic

SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear

wheels

Cylinders, Four

ARRANGED, Vertically

CAST, En bloc

Horsepower, 19.6 (N. A. C. C. Rating)

BORE AND STROKE, 31/2 x 5 inches

LUBRICATION, Force feed and splash

RADIATOR, Tubular

COOLING, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

CLUTCH, Cone

Transmission, Selective sliding

GEAR CHANGES, Three forward, one reverse

DRIVE, Plain bevel

REAR AxLE, Three-quarters floating

STEERING GEAR, Screw and nut

PRICE INCLUDES body and canopy top

# WHITE Three-quarter-Ton TRUCK—GBBE



## THE WHITE COMPANY, Cleveland, Ohio

Color, Chassis, red; body, dark green CARRYING CAPACITY, 1500 pounds Position of Driver, Left side WHEELBASE, 1331/2 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 4 inches, pneumatic REAR TIRES, 34 x 4 inches, pneumatic SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear

CYLINDERS, Four

ARRANGED, Vertically

CAST, En bloc

Horsepower, 22.5 (N. A. C. C. Rating) BORE AND STROKE, 334 x 51/8 inches LUBRICATION, Force feed and splash RADIATOR, Honeycomb Cooling, Water pump IGNITION, High-tension magneto LIGHTING SYSTEM, Gas GASOLINE SYSTEM, Gravity CLUTCH, Single plate in oil TRANSMISSION, Selective sliding GEAR CHANGES, Four

DRIVE, Plain bevel REAR AxLE, Semi-floating

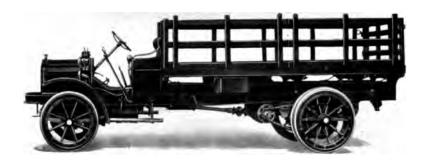
STEERING GEAR, Worm and sector

PRICE INCLUDES prestolite tank and demountable rims

Price, Chassis.....\$2100

With Standard Body .....\$2250

# WHITE Three-Ton TRUCK—TAD



## THE WHITE COMPANY, Cleveland, Ohio

Color, Red

CARRYING CAPACITY, Three tons

Position of Driver, Left side

WHEELBASE, 163 inches

GAUGE, Front, 64 inches

Wheels, Cast steel

FRONT TIRES 36 x 5 inches, single solid

REAR TIRES, 40 x 5 inches, dual solid

SERVICE BRAKE, Contracting on jack shaft drums

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, En bloc

Horsepower, 22.5 (N. A. C. C. Rating)

Bore and Stroke, 31/4 x 51/8 inches

LUBRICATION, Force feed and splash

RADIATOR, Honeycomb

Cooling, Water pump

IGNITION, High-tension magneto

LIGHTING SYSTEM, Gas

GASOLINE SYSTEM, Gravity

Сцитси, Single plate in oil

TRANSMISSION, Selective sliding

GEAR CHANGES, Four

DRIVE, Double side chain

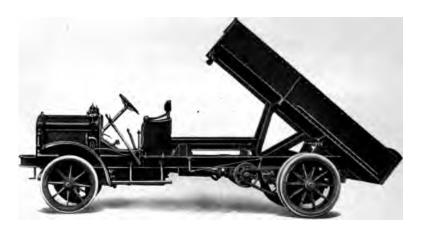
REAR AxLE, Dead

Steering GEAR, Worm and sector

Price, Chassis.....\$3700

With Standard Body.....\$3850

# WHITE Five-Ton POWER DUMPING TRUCK—ATCD



#### THE WHITE COMPANY, Cleveland, Ohio

COLOR, Red

CARRYING CAPACITY, Five tons

POSITION OF DRIVER, Left side

WHEELBASE, 149 inches

GAUGE, Front, 64 inches

WHEELS, Cast steel

FRONT TIRES, 36 x 5 inches, single solid

REAR TIRES, 40 x 6 inches, dual solid

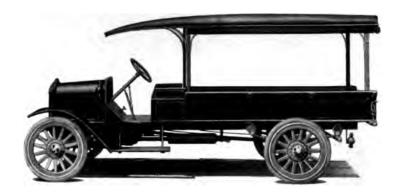
SERVICE BRAKE, Contracting on jack shaft drums

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four
ARRANGED, Vertically
CAST, En bloc

HORSEPOWER, 28.9 (N. A. C. C. Rating)
BORE AND STROKE, 4½ x 6½ inches
LUBRICATION, Force feed and splash
RADIATOR, Honeycomb
COOLING, Water pump
IGNITION, High-tension magneto
LIGHTING SYSTEM, Gas
GASOLINE SYSTEM, Gravity
CLUTCH, Single plate in oil
TRANSMISSION, Selective sliding
GEAR CHANGES, FOUr
DRIVE, Double side chain
REAR AXLE, Dead
STEERING GEAR, Worm and sector

# KOEHLER One-Ton TRUCK-MODEL "K"



#### H. J. KOEHLER S. G. CO., Newark, New Jersey

Color, Body-Chrome green Gear-Portland amber CAPACITY, 2,000 pounds POSITION OF DRIVER, Right side WHEELBASE, 129 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 3 inches, single solid REAR TIRES, 34 x 31/2 inches, single solid SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 19.6 (N. A. C. C. Rating)

BORE AND STROKE, 3½ x 5 inches

LUBRICATION, Force feed by pump and splash

RADIATOR, Built-up type, vertical flat tubes

COOLING, Thermo-syphon

IGNITION, High tension magneto

LIGHTING SYSTEM, Oil lamps

GASOLINE SYSTEM, Gravity

CLUTCH, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward

DRIVE, Tubular propeller shaft and in ternal gear rear axle

REAR AXLE, Internal gear type

STEERING GEAR, Own make bevel type

PRICE INCLUDES body complete—side and tail lamps—horn, tool kit, etc.

Price, chassis ......\$940 Complete truck ...... 955

## BUICK One-Ton TRUCK-D-4



#### BUICK MOTOR COMPANY, Flint, Michigan

Color, Body red, running gear black CARRYING CAPACITY, 2000 pounds Position of Driver, Left side WHEELBASE, 122 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 35 x 5 inches, pneumatic REAR TIRES, 35 x 5 inches, pneumatic SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, In pairs Horsepower, 22.5 (N. A. C. C. Rating) Bore and Stroke, 334 x 5 inches LUBRICATION, Splash with circulating pump

RADIATOR, Cellular COOLING, Water pump IGNITION, Storage battery STARTING SYSTEM, Single unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Vacuum CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Bevel REAR AxLE, Three-quarters floating Steering Gear, Split nut and worm

PRICE INCLUDES top, windshield, speed-ometer, ammeter and demountable rims

# ACME One-Ton TRUCK-B.F.



#### CADILLAC AUTO TRUCK COMPANY, Cadillac, Michigan

COLOR, Optional CARRYING CAPACITY, 2,000 pounds Position of Driver, Left side WHEELBASE, 128 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 34 x 5 inches, single pneumatic REAR TIRES, 34 x 5 inches, single pneumatic. Solid tires optional SERVICE BRAKE, External contracting on rear wheels EMERGENCY BRAKE, Internal expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc

Horsepower, 19.6 (S. A. E. Rating) BORE AND STROKE, 31/2 x 5 inches LUBRICATION, Combination force feed and constant level splash system RADIATOR, Vertical fin and tube COOLING, Centrifugal pump IGNITION, High tension magneto LIGHTING SYSTEM, Oil WIRING SYSTEM, Single GASOLINE SYSTEM, Stewart vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Worm REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES driver's seat and cushions, lamps, horn, jack and tool equipment

Price, Chassis ......\$1500

# ACME Two-Ton TRUCK-A.F.



#### CADILLAC AUTO TRUCK COMPANY, Cadillac, Michigan

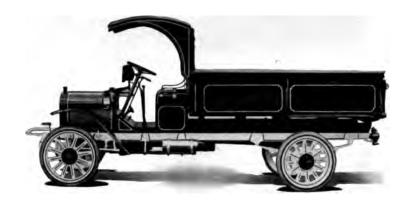
Color, Optional CARRYING CAPACITY, 4,000 pounds Position of Driver, Left side WHEELBASE, 148 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 4 inches, single, solid REAR TIRES, 36 x 6 inches, dual or single, solid SERVICE BRAKE, External contracting on rear wheels EMERGENCY BRAKE, Internal expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc

Horsepower, 27.2 (S. A. E. Rating) Bore and Stroke, 41/8 x 51/4 inches LUBRICATION, Combination force feed and constant level splash system RADIATOR, Vertical fin and tube COOLING, Centrifugal pump IGNITION, High tension magneto LIGHTING SYSTEM, Oil WIRING SYSTEM, Single GASOLINE SYSTEM, Stewart vacuum CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward DRIVE, Worm REAR AxLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES driver's seat and cushions, lamps, horn, jack and tool equipment

Price, chassis .....\$2100

# DART One-Ton TRUCK-Model E



#### DART MOTOR TRUCK COMPANY, Waterloo, Iowa

COLOR, Lead

CARRYING CAPACITY, 2,000 lbs.

Position of Driver, Left side

WHEELBASE, 130 inches

GAUGE, 58 inches

WHEELS, Wood

FRONT TIRES, 34 x 3½ (Solid) or 34 x 4½ (Pneumatic)

REAR TIRES, 34 x 5 (Solid)

SERVICE BRAKE, Expanding on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, En bloc

Horsepower, 22.5 (N. A. C. C. Rating)

Bore and Stroke, 334 x 51/2

LUBRICATION, Pressure and splash

RADIATOR, Honeycomb

Cooling, Thermo

IGNITION, High-tension magneto

LIGHTING SYSTEM, Oil

GASOLINE SYSTEM, Vacuum

Сцитсн, Dry disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward and reverse

DRIVE, Worm

REAR AXLE, Full floating

STEERING GEAR, Worm and nut

Price, Chassis alone \$1600 Model "B" Chassis .. \$1400 Model "A" Chassis .. \$850 Model "C" Chassis .. 1900 Model "D" Chassis .. 650 Model "BB" Chassis .. 1300

# DART Two-Ton TRUCK-CC



#### DART MOTOR TRUCK COMPANY, Waterloo, Iowa

COLOR, Lead

CARRYING CAPACITY, 4,000 lbs.

Position of Driver, Left side

WHEELBASE, 150 inches

GAUGE, 58 inches

FRONT TIRES, 36 x 4 single (Solid)

REAR TIRES, 36 x 4 dual (Solid)

SERVICE BRAKE, Expanding

EMERGENCY BRAKE, Expanding

CYLINDERS, Four

ARRANGED, Vertically

CAST, En bloc

Horsepower, 27.2

Bore and Stroke, 416 x 51/2

LUBRICATION, Pressure and splash

RADIATOR, Honeycomb

COOLING, Pump

IGNITION, High-tension magneto

LIGHTING SYSTEM, Oil

GASOLINE SYSTEM, Vacuum

CLUTCH, Dry disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward and reverse

DRIVE, Worm

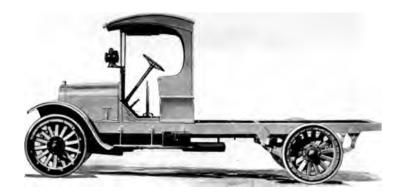
REAR AXLE, Full floating

STEERING GEAR, Screw and nut

WHEELS, Wood

Price, Chassis . . . . . \$2100 Model "D" Chassis . . \$650 Model "B" Chassis . . \$1300 Model "C" Chassis . . 1900 Model "A" Chassis . . 850 Model "E" Chassis . . 1600

# CHASE One-Ton TRUCK-A



#### CHASE MOTOR TRUCK CO., Syracuse, N. Y.

Color, Optional
Carrying Capacity, 2,000 pounds
Position of Driver, Right side
Wheelbase, 138 inches
Gauge, 56 inches
Wheels, Wood
Front Tires, 36 x 3½ inches, single solid
Rear Tires, 36 x 5 inches, single solid
Service Brake, Expanding on rear wheels
Emergency Brake, Expanding on rear wheels
Cylinders, Four
Arranged, Vertically
Cast, En bloc
Horsepower, 19.61 (N. A. C. C. rating)

BORE AND STROKE, 3½ x 5½ inches

LUBRICATION, Splash with circulating pump

RADIATOR, Tubular

COOLING, Thermo-syphon

IGNITION, High-tension magneto

STARTING SYSTEM, Optional

LIGHTING SYSTEM, Oil-electric, optional

GASOLINE SYSTEM, Gravity

CLUTCH, Dry disc

TRANSMISSION, Selective sliding

GEAR CHANGES, 3 forward

DRIVE, WORM

REAR AXLE, Semi-floating

STEERING GEAR, WORM and nut.

PRICE INCLUDES cab and painting

Price, chassis ......\$1650

# CHASE Two and One-half-Ton TRUCK-B



#### CHASE MOTOR TRUCK CO., Syracuse, N. Y.

COLOR, Optional

CARRYING CAPACITY, 5000 pounds.

POSITION OF DRIVER, Right side

WHEELBASE, 146-160 inches

GAUGE, 58 inches front, 62 inches rear

WHEELS, Wood

FRONT TIRES, 36 x 4 single, solid

REAR TIRES, 36 x 4 dual, solid

SERVICE BRAKE, Contracting rear wheels

EMERGENCY BRAKE, Expanding rear wheels

CYLINDERS, FOUR

ARRANGED, Vertically

CAST, En bloc

HORSEPOWER, 27.20 (N. A. C. C. rating)

BORE AND STROKE, 4½ x 5½ inches

LUBRICATION, Splash with circulating pump

RADIATOR, Fin, cast

COOLING, Pump

IGNITION, High-tension magneto

STARTING SYSTEM, Optional

LIGHTING SYSTEM, Oil-electric, Optional

GASOLINE SYSTEM, Gravity.

CLUTCH, Dry disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward

DRIVE, WORM

REAR AXLE, Semi-floating

STEERING GEAR, Worm and nut

PRICE INCLUDES cab and painting

Price, chassis .....\$2475

# PACKARD One-Ton TRUCK-ID



#### PACKARD MOTOR CAR COMPANY, Detroit, Michigan

COLOR, Body, Packard blue with Packard light derby red striping; wheels, blue; chassis black

CARRYING CAPACITY, 2000 pounds

Position of Driver, Left side

WHEELBASE, 126 or 144 inches

GAUGE, 56 inches

WHEELS, Wood

FRONT TIRES, 34 x 31/2 inches, single solid

REAR TIRES, 34 x 6 inches, single solid

SERVICE BRAKE, Propeller shaft

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, En bloc

Horsepower, 25.6 (N. A. C. C. Rating)

Bore and Stroke, 4 x 51/2 inches

LUBRICATION, Force feed

RADIATOR, Cellular

Cooling, Water pump

IGNITION, High-tension magneto and

storage battery

GASOLINE SYSTEM, Pressure

CLUTCH, Dry multiple disc

TRANSMISSION, Progressive sliding

GEAR CHANGES, Three forward, one re-

DRIVE, Worm

REAR AxLE, Full floating

STEERING GEAR, Worm and wheel

Price, Chassis.....\$2200 With Electric Starting and Lighting ....\$2425 Two-Ton.............2800 O ne and One-Half Ton ......\$2500

## PACKARD Three-Ton TRUCK-3D



#### PACKARD MOTOR CAR COMPANY, Detroit, Michigan

COLOR, Body, Packard blue, with Packard light derby red striping; wheels, Packard light derby red, with Packard blue striping; chassis, black

CARRYING CAPACITY, 6000 pounds

Position of Driver, Left side

WHEELBASE, 156 or 186 inches

Gauge, Rear wheels, 66 inches; front wheels, 6936 inches

WHEELS, Wood

FRONT TIRES, 36 x 5 inches, single solid

REAR TIRES, 36 x 5 inches, dual solid

SERVICE BRAKE, Propeller shaft

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, En bloc

Horsepower, 32.4 (N. A. C. C. Rating)

Bore and Stroke, 41/2 x 51/2 inches

LUBRICATION, Full force feed

RADIATOR, Cellular

Cooling, Water pump

IGNITION, High-tension magneto and

storage battery

GASOLINE SYSTEM, Pressure

CLUTCH, Dry multiple disc

TRANSMISSION. Progressive sliding

GEAR CHANGES, Three forward, one reverse

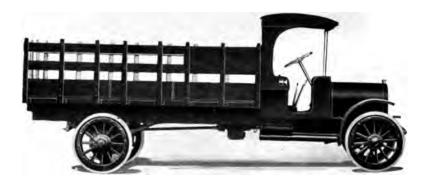
DRIVE, Worm

REAR AXLE, Full floating

STEERING GEAR, Worm and wheel

Price, Chassis.....\$3400

# GARFORD One-and-One-half-Ton TRUCK-66



#### THE GARFORD MOTOR TRUCK CO., Lima, Ohio

Color, Optional

CARRYING CAPACITY, 3000 pounds

Position of Driver, Optional

WHEELBASE, 142 or 166 inches

GAUGE, Front, 561/2 inches; rear, 583/4 inches

WHEELS, Wood

FRONT TIRES, 36 x 31/2 inches, solid

REAR TIRES, 36 x 5 inches, solid

SERVICE BRAKE, Expanding on rear wheels

EMERGENCY BRAKE, Contracting on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, En bloc

Horsepower, 22.5 (N. A. C. C. Rating)

BORE AND STROKE, 334 x 51/2 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Cellular

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

CLUTCH, Dry multiple disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward, one reverse

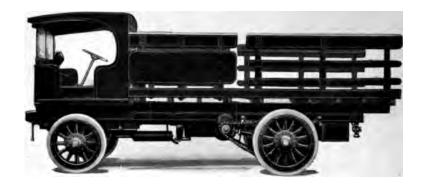
DRIVE, Worm

REAR AXLE, Full floating

STEERING, Gear, Worm and nut

Price. Chassis ......\$1800 One-Ton ......\$1450 Two-Ton .....\$2300

# GARFORD Five-Ton TRUCK-D



#### THE GARFORD MOTOR TRUCK CO., Lima, Ohio

COLOR, Optional

CARRYING CAPACITY, Five tons

POSITION OF DRIVER, Right side

WHEELBASE, 128 to 150 inches

GAUGE, Front, 62½ inches; rear, 71 inches

WHEELS, Wood

FRONT TIRES, 36 x 6 inches, single solid

REAR TIRES, 40 x 6 inches, dual solid

SERVICE BRAKE, Contracting on transmission countershaft

EMERGENCY BRAKE, Expanding on rear

wheels
Cylinders, Four

Arranged, Vertically

CAST, In pairs

Horsepower, 36.1 (N. A. C. C. Rating)

Bore and Stroke, 434 x 51/2 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Cellular

COOLING, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

CLUTCH, Dry multiple disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Four forward, one reverse

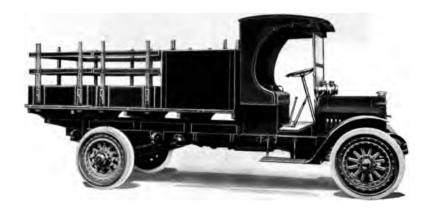
Drive, Plain bevel

REAR AXLE, Dead

STEERING GEAR, Worm and nut

Price, Chassis. ....\$4300
Three-Ton ....\$3400 Six-Ton ....\$4500

# FEDERAL One-and-One-half-Ton TRUCK



# FEDERAL MOTOR TRUCK COMPANY, Detroit, Michigan

Color, Lead

CARRYING CAPACITY, 3000 pounds

Position of Driver, Left side

WHEELBASE, 120 or 144 inches

GAUGE, Front, 56 inches; rear, 581/4 inches

WHEELS, Wood

FRONT TIRES, 36 x 31/2 inches

REAR TIRES, 36 x 5 inches

SERVICE BRAKE, Expanding on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, En bloc

Horsepower, 27.23 (N. A. C. C. Rating)

Bore and Stroke, 41/8 x 51/4 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Cellular

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

CLUTCH, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward, one reverse

DRIVE, Worm

REAR AXLE, Full floating

STEERING GEAR, Worm and bevel

Price, Chassis.....\$1800

# FEDERAL Three-and-One-half-Ton TRUCK-L



## FEDERAL MOTOR TRUCK COMPANY, Detroit, Michigan

Color, Lead

CARRYING CAPACITY, 7000 pounds

Position of Driver, Right side

WHEELBASE, 146 inches

GAUGE, Front, 661/2 inches; rear, 673/4 inches

FRONT TIRES, 36 x 5 inches, single solid

REAR TIRES, 36 x 5 inches, dual solid

SERVICE BRAKE, Expanding on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, In pairs

Horsepower, 32.4 (N. A. C. C. Rating)

BORE AND STROKE, 41/2 x 51/2 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Cellular

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

Ситсн, Dry multiple disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward, one reverse

DRIVE, Worm

REAR AxLE, Full floating

STEERING GEAR, Worm and wheel

Price, Chassis.....\$2800

# KELLY-SPRINGFIELD One-and-One-half-Ton TRUCK—K-30



#### KELLY-SPRINGFIELD MOTOR TRUCK COMPANY, Springfield, O.

Color, Optional

CARRYING CAPACITY, 3000 pounds

Position of Driver, Back of motor

WHEELBASE, 120, 144, 168 and 180 inches

GAUGE, Front, 56 inches; rear, 60 inches

WHEELS, Wood

FRONT TIRES, 36 x 31/2 inches, single solid

REAR TIRES, 36 x 5 inches, single solid

SERVICE BRAKE, Contracting on rear

EMERGENCY BRAKE, Expanding on rear wheels

Cylinders, Four

ARRANGED, Vertically

CAST, En bloc

Horsepower, 22.5 (N. A. C. C. Rating)

BORE AND STROKE, 334 x 514 inches

LUBRICATION, Force feed

RADIATOR, Cellular

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

CLUTCH, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward, one reverse

DRIVE, Side chain

REAR AXLE, Dead

STEERING GEAR, Worm and gear

# KELLY-SPRINGFIELD Three-and-One-half-Ton TRUCK—K-40



#### KELLY-SPRINGFIELD MOTOR TRUCK COMPANY, Springfield, O.

COLOR, Optional

CARRYING CAPACITY, 7000 pounds

Position of Driver, Back of motor

WHEELBASE, 150, 172, 194 or 208 inches

GAUGE, Front, 68 inches; rear, 73 inches

WHEELS, Wood

FRONT TIRES, 36 x 5 inches, single solid

REAR TIRES, 40 x 5 inches, dual solid

SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, In pairs

Horsepower, 32.4 (N. A. C. C. Rating)

BORE AND STROKE, 41/2 x 61/2 inches

LUBRICATION, Force feed

RADIATOR, Cellular

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

CLUTCH, Cone

TRANSMISSION, Selective sliding

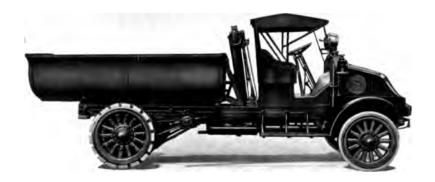
GEAR CHANGES, Three forward, one reverse

DRIVE, Side chain

REAR AXLE, Dead

STEERING GEAR, Worm and gear

# KELLY-SPRINGFIELD Five-Ton TRUCK—K-50



# KELLY-SPRINGFIELD MOTOR TRUCK COMPANY, Springfield, O.

Color, Optional

CARRYING CAPACITY, 10,000 pounds

Position of Driver, Back of motor

WHEELBASE, 150, 172, 194 or 208 inches

GAUGE, Front, 68 inches; rear, 751/2 inches

WHEELS, Wood

FRONT TIRES, 36 x 6 inches, single solid

REAR TIRES, 40 x 6 inches, dual solid

SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

Arranged, Vertically

CAST, In pairs

Horsepower, 32.4 (N. A. C. C. Rating)

Bore and Stroke, 41/2 x 61/2 inches

LUBRICATION, Force feed

RADIATOR, Cellular

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

CLUTCH, Cone.

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward, one reverse

DRIVE, Side chain

REAR AXLE, Dead

Steering Gear, Worm and gear

# AUTOCAR Two-Ton TRUCK—XXI-F



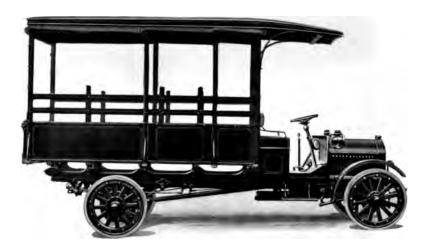
# THE AUTOCAR COMPANY, Ardmore, Pennsylvania

Color, Optional ARRANGED, Horizontally CAST, Separately CARRYING CAPACITY, 4000 pounds Horsepower, 18 (N. A. C. C. Rating) Position of Driver, Right side over motor Bore and Stroke, 434 x 41/2 inches WHEELBASE, 97 inches LUBRICATION, Full splash GAUGE, 58 inches RADIATOR, Tubular COOLING, Water WHEELS, Wood IGNITION, High-tension magneto FRONT TIRES, 34 x 4 inches, solid, or 36 x 5 inches, pneumatic GASOLINE SYSTEM, Gravity CLUTCH, Three plate REAR TIRES, 34 x 5 inches, solid, or 36 x 5 inches, pneumatic TRANSMISSION, Progressive sliding SERVICE BRAKE, Contracting on rear GEAR CHANGES, Three forward, one rewheels DRIVE, Shaft EMERGENCY BRAKE, Expanding on rear wheels REAR AXLE, Full floating

CYLINDERS, Two

STERRING GEAR, Bevel, pinion and sector

## SELDEN Two-Ton TRUCK—JC



#### SELDEN MOTOR VEHICLE COMPANY, Rochester, New York

Color, Optional

CARRYING CAPACITY, Two tons

Position of Driver, Left side

WHEELBASE, 150 inches

GAUGE, Front, 56 inches; rear, 581/4 inches

WHEELS, Wood

FRONT TIRES, 36 x 4 inches, solid

REAR TIRES, 36 x 6 inches, solid

SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

Cylinders, Four

Arranged, Vertically

CAST, En bloc

HORSEPOWER, 22.5 (N. A. C. C. Rating)

BORE AND STROKE, 334 x 514 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Tubular

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

CLUTCH, Dry multiple disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward, one reverse

DRIVE, Internal gear

REAR AXLE, Dead

STEERING GEAR, Worm and nut

Price, Chassis.....\$2000

#### SELDEN Two-Ton TRUCK—JWL



#### SELDEN MOTOR VEHICLE COMPANY, Rochester, New York

Color, Optional

CARRYING CAPACITY, Two tons

Position of Driver, Left side

WHEELBASE, 150 inches

GAUGE, Front, 56 inches; rear, 581/4 inches

WHEELS, Wood

FRONT TIRES, 36 x 4 inches, solid

REAR TIRES, 36 x 6 inches, solid

SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

Arranged, Vertically

CAST, En bloc

Horsepower, 27.23 (N. A. C. C. Rating)

BORE AND STROKE, 41/8 x 51/4 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Cellular

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

Ситси, Dry multiple disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward, one reverse

DRIVE, Worm

REAR AXLE, Full floating

STEERING GEAR, Worm and nut

#### SELDEN Three-and-One-half-Ton TRUCK—N



#### SELDEN MOTOR VEHICLE COMPANY, Rochester, New York

CoLOR, Optional

CARRYING CAPACITY, 31/2 tons

Position of Driver, Right side

WHEELBASE, 164 inches

GAUGE, Front, 61 inches; rear, 6634 inches

WHEELS, Wood

FRONT TIRES, 36 x 5 inches, solid

REAR TIRES, 36 x 5 inches, dual solid

Service Brake, Expanding on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, In pairs

Horsepower, 32.4 (N. A. C. C. Rating)

BORE AND STROKE, 41/2 x 51/2 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Cellular

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

Ситси, Dry multiple disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Four forward, one reverse

DRIVE, Worm

REAR AXLE, Full floating

STEERING GEAR, Worm and nut

#### MACK Two-Ton TRUCK—AB



## MACK BROTHERS MOTOR CAR COMPANY, 64th Street and West End Ave., New York, N. Y.

Color, Lead

CARRYING CAPACITY, 4000 pounds

Position of Driver, Back of motor

WHEELBASE, 144 or 162 inches

GAUGE, 581/2 inches

WHEELS, Wood

FRONT TIRES, 36 x 4 inches, single solid

REAR TIRES, 36 x 4 inches, dual solid

SERVICE BRAKE, Contracting on rear wheels

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, In pairs

Horsepower, 25.6 (N. A. C. C. Rating)

Bore and Stroke, 4 x 5 inches

LUBRICATION, Pump over and splash and gravity

RADIATOR, Honeycomb

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

Сцитсн, Dry multiple disc

TRANSMISSION, Selective sliding

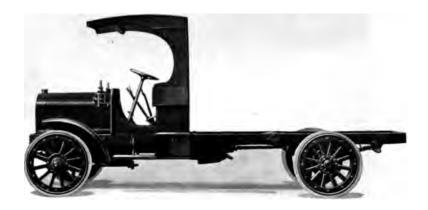
GEAR CHANGES, Three forward, one reverse

DRIVE, Worm

REAR AXLE, Full floating

Steering Gear, Worm and sector

#### PEERLESS Two-Ton TRUCK—TC-2



#### PEERLESS MOTOR CAR COMPANY, Cleveland, Ohio

Color, Lead

CARRYING CAPACITY, Two tons

Position of Driver, Right side

WHEELBASE, 145 inches

GAUGE, 68 inches

WHEELS, Wood

FRONT TIRES, 36 x 4 inches, single solid

REAR TIRES, 36 x 4 inches, dual solid

SERVICE BRAKE, Expanding on rear

wheels

EMERGENCY BRAKE, Expanding on rear

wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, In pairs

Horsepower, 32.4 (N. A. C. C. Rating)

BORE AND STROKE, 41/2 x 61/2 inches

LUBRICATION, Full splash

RADIATOR, Tubular

Cooling, Water pump

IGNITION, High-tension magneto and storage battery

storage battery

GASOLINE SYSTEM, Gravity

CLUTCH, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Three forward, one reverse

DRIVE, Worm

REAR AXLE, Live

STEERING GEAR, Worm and sector

#### PEERLESS Five-Ton TRUCK—TC-5



#### PEERLESS MOTOR CAR COMPANY, Cleveland, Ohio

Cor.or, Lead

CARRYING CAPACITY, 10,000 pounds

POSITION OF DRIVER, Right side

WHEELBASE, 151 inches

GAUGE, 68 inches

WHEELS, Wood

FRONT TIRES, 38 x 6 inches, single solid

REAR TIRES, 42 x 6 inches, dual solid

SERVICE BRAKE, Contracting on jack shaft

EMERGENCY BRAKE, Expanding on rear wheels

Cylinders, Four

ARRANGED, Vertically

CAST, In pairs

Horsepower, 32.4 (N. A. C. C. Rating)

Bore and Stroke, 41/2 x 61/2 inches

LUBRICATION, Full splash

RADIATOR, Tubular

COOLING, Water pump

IGNITION, High-tension magneto and storage battery

GASOLINE SYSTEM, Gravity

Ситси, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Four forward, one reverse

DRIVE, Side chain

REAR AXLE, Dead

Steering Gear, Worm and sector

Price, Chassis....\$4500
Three-Ton .....\$3700 Four-Ton .....\$4000 Six-Ton ......\$6000

#### PIERCE-ARROW Two-Ton TRUCK-X-2



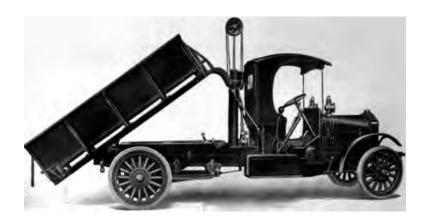
#### PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, New York

Color, Optional CARRYING CAPACITY, Two tons Position of Driver, Right side WHEELBASE, 150 or 180 inches GAUGE, 56 inches WHEELS, Wood FRONT TIRES, 36 x 4 inches, single solid REAR TIRES, 36 x 4 inches, dual solid SERVICE BRAKE, Contracting on transmission EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four

ARRANGED, Vertically CAST, In pairs

Horsepower, 25.6 (N. A. C. C. Rating) Bore and Stroke, 4 x 51/2 inches LUBRICATION, Force feed RADIATOR, Tubular COOLING, Water IGNITION, High tension magneto GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one re-DRIVE, Worm REAR AXLE, Full floating STEERING GEAR, Screw and nut

#### PIERCE-ARROW Five-Ton TRUCK—R-5



#### PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, New York

Color, Optional

CARRYING CAPACITY, Five tons

Position of Driver, Right side

WHEELBASE, 168 or 204 inches

GAUGE, 64 inches

WHEELS, Wood

FRONT TIRES, 36 x 5 inches, single solid

REAR TIRES, 40 x 6 inches, dual solid

SERVICE BRAKE, Contracting on transmission

EMERGENCY BRAKE, Expanding on rear wheels

CYLINDERS, Four

ARRANGED, Vertically

CAST, In pairs

Horsepower, 38.03 (N. A. C. C. Rating)

Bore and Stroke, 476 x 6 inches

LUBRICATION, Force feed

RADIATOR, Tubular

Cooling, Water

Ignition, High tension magneto and dry batteries

GASOLINE SYSTEM, Gravity

CLUTCH, Cone

TRANSMISSION, Selective sliding

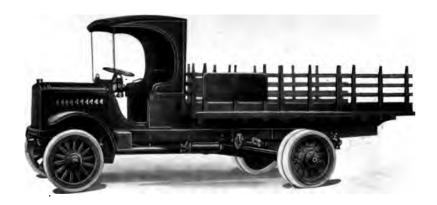
GEAR CHANGES, Three forward, one reverse

DRIVE, Worm

REAR AXLE, Full floating

Steering Gear, Screw and nut

#### RIKER Three-Ton TRUCK-B



#### LOCOMOBILE COMPANY OF AMERICA, Bridgeport, Connecticut

COLOR, Optional CARRYING CAPACITY, 6000 pounds POSITION OF DRIVER, Right side WHEELBASE, 150 or 170 inches GAUGE, Front, 60 inches; rear, 66 inches WHEELS, Wood FRONT TIRES, 36 x 5 inches, single solid REAR TIRES, 36 x 5 inches, dual solid SERVICE BRAKE, Contracting on propeller shaft EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically Cast, In pairs Horsepower, 28.9 (N. A. C. C. Rating) Bore and Stroke, 41/4 x 6 inches LUBRICATION, Pressure and internal circulating system

RADIATOR, Cellular COOLING, Water pump IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Oil VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Four forward DRIVE, Worm REAR AxLE, Full floating Steering Gear, Worm and gear

PRICE INCLUDES driver's seat and cushion, and lamps

#### RIKER Four-Ton Truck-BB



#### THE LOCOMOBILE COMPANY OF AMERICA, Bridgeport, Connecticut

Color, Optional CARRYING CAPACITY, 8000 pounds POSITION OF DRIVER, Right side WHEELBASE, 150 or 170 inches GAUGE, Front, 60 inches; rear, 66 inches WHEELS, Wood FRONT TIRES, 36 x 5 inches, single solid REAR TIRES, 36 x 6 inches, dual solid SERVICE BRAKE, Contracting on propeller shaft EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, In pairs Horsepower, 28.9 (N. A. C. C. Rating) Bore and Stroke, 41/4 x 6 inches

LUBRICATION, Pressure and internal circulating system RADIATOR, Tubular Cooling, Water pump IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Oil VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Four forward DRIVE, Worm REAR AXLE, Full floating STEERING GEAR, Worm and gear

PRICE INCLUDES driver's seat and cushion, and lamps

Price, Chassis ......\$3650

Complete electric starting and lighting outfit, with motor, generator, lamps, wiring, etc., including backing light, \$225.00 extra.

#### VELIE Three-and-One-half-Ton TRUCK-26



#### VELIE MOTOR VEHICLE COMPANY, Moline, Illinois

COLOR, Optional

CARRYING CAPACITY, 7000 pounds

POSITION OF DRIVER, Right side

WHEELBASE, 172 inches

GAUGE, Front, 58 inches; rear, 66 inches

WHEELS, Wood

FRONT TIRES, 36 x 5 inches solid

REAR TIRES, 40 x 5 inches dual solid

SERVICE BRAKE, External on rear axle

EMERGENCY BRAKE, Internal on rear axle

CYLINDERS, FOUT

ARRANGED, Vertically

CAST, In pairs

Horsepower, 32.4 (N. A. C. C. Rating)

BORE AND STROKE, 4½ x 5½ inches

LUBRICATION, Force feed and splash

RADIATOR, Tubular

COOLING, Water pump

IGNITION, High tension

GASOLINE SYSTEM, Vacuum

CLUTCH, Dry multiple disc

TRANSMISSION, Selective sliding

GEAR CHANGES, Four forward, one reverse

DRIVE, Worm

REAR AXLE, Full floating

STEERING GEAR, Worm and gear

PRICE INCLUDES top, seat, prestolite tank and lamps

#### WALTER FOUR WHEEL DRIVE Five-Ton TRUCK



#### WALTER MOTOR TRUCK COMPANY, 49-51 West 66th St., N. Y.

COLOR, Lead

CARRYING CAPACITY, Five tons

POSITION OF DRIVER, Left side

WHEELBASE, 96 to 168 inches

GAUGE, Front, 66 inches; rear, 66 inches

WHEELS, Wood

FRONT TIRES, 40 x 6 inches, single solid

REAR TIRES, 40 x 5 inches, dual solid

SERVICE BRAKE, Contracting on transmission shaft

EMERGENCY BRAKE, Contracting on rear wheels

CYLINDERS, FOUT

ARRANGED, Vertically, under hood

CAST, En bloc

HORSEPOWER, 30.63 (N. A. C. C. Rating)
BORE AND STROKE, 4½ x 6 inches

LUBRICATION, Splash with circulating pump

RADIATOR, Tubular

COOLING, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

CLUTCH, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Four and reverse

DRIVE, Spur gear to wheels

REAR AXLE, Dead

STEERING GEAR, Worm and gear

PRICE INCLUDES cab

#### SAURER Five-Ton TRUCK



#### SAURER MOTOR COMPANY, West End Ave. & 64th Street, N. Y.

COLOR, Lead

CARRYING CAPACITY, 10,000 pounds

POSITION OF DRIVER, Right side

WHEELBASE, 1531/2 inches

GAUGE, 661/4 inches

WHEELS, Wood

FRONT TIRES, 36 x 5 inches, single solid

REAR TIRES, 42 x 5 inches, dual solid

SERVICE BRAKE, On differential

EMERGENCY BRAKE, Expanding on rear

wheels

CYLINDERS, Four

ARRANGED, Vertically, under hood

CAST, In pairs

Horsepower, 30.63 (N. A. C. C. Rating)

BORE AND STROKE, 43% x 51/2 inches

LUBRICATION, Pump over and splash and gravity

RADIATOR, Honeycomb

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Gravity

CLUTCH, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Four forward, one reverse

DRIVE, Chain

REAR AXLE, Dead

STEERING GEAR, Worm and sector

#### G. V. MERCEDES Five- to Six-Ton TRUCK—FV



#### GENERAL VEHICLE COMPANY, Inc., Long Island City, New York

Color, Lead

CARRYING CAPACITY, Six tons

POSITION OF DRIVER, Right side

WHEELBASE, 169 inches

GAUGE, 61 inches

WHEELS, Cast steel

FRONT TIRES, 34 x 5 inches, single solid

REAR TIRES, 40 x 6 inches, dual solid

SERVICE BRAKE, Contracting on transmis-

EMERGENCY BRAKE, Contracting on rear wheels

Cylinders, Four

ARRANGED, Vertically

Cast, In pairs

Horsepower, 28.9 (N. A. C. C. Rating)

Bore and Stroke, 41/4 x 5 9/10 inches

LUBRICATION, Force feed

RADIATOR, Cellular

Cooling, Water pump

IGNITION, High-tension magneto

GASOLINE SYSTEM, Pressure

CLUTCH, Cone

TRANSMISSION, Selective sliding

GEAR CHANGES, Four forward, one reverse

DRIVE, Internal gear

REAR Axle, Dead

STEERING GEAR, Screw and nut

# AMERICAN-LA FRANCE Chemical ENGINE AND HOSE CAR—TYPE 10



## AMERICAN-LA FRANCE FIRE ENGINE COMPANY, INC., Elmira, N. Y.

POSITION OF DRIVER, Right side
WHEELBASE, 156¼ inches
GAUGE, Front, 62 inches; rear, 71½ inches
WHEELS, Wood
FRONT TIRES, 38 x 4½ inches, single cushion
REAR TIRES, 38 x 4½ inches, dual cushion
SERVICE BRAKE, Expanding on rear wheels
EMERGENCY BRAKE, Expanding on rear wheels
CYLINDERS, FOUR
ARRANGED, Vertically
CAST, In pairs
HORSEFOWER, 48.4 (N. A. C. C. Rating)
BORE AND STROKE, 5½ x 6 inches

Color, Optional

LUBRICATION, Force feed and splash RADIATOR, Cellular Cooling, Water pump Ісинтіон, High tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Side chain REAR AXLE, Dead STEERING GEAR, Worm and gear

PRICE INCLUDES speedometer, ammeter, voltmeter and demountable rims

Price .....\$5500

#### AMERICAN-LA FRANCE Pumping ENGINE— TYPE 19



## AMERICAN-LA FRANCE FIRE ENGINE COMPANY, INC., Elmira, N. Y.

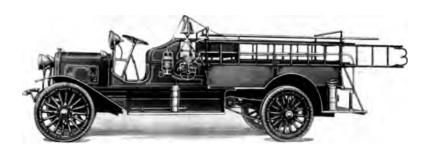
Color, Optional POSITION OF DRIVER, Right side WHEELBASE, 165 inches GAUGE, Front, 7134 inches; rear, 8136 inches WHEELS, Wood FRONT TIRES, 38 x 5 inches, single solid REAR TIRES, 38 x 4 inches, dual solid SERVICE BRAKE, Expanding on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Six ARRANGED, Vertically CAST, In pairs HORSEPOWER, 93.7 (N. A. C. C. Rating) BORE AND STROKE, 61/4 x 8 inches LUBRICATION, Force feed and splash

RADIATOR, Cellular COOLING, Water pump IGNITION, High tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Chain to crank shaft LIGHTING SYSTEM, Electric VOLTAGES, Twelve WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity Ситси, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one re-DRIVE, Side chain REAR AxLE, Dead STEERING GEAR, Worm and gear

PRICE INCLUDES speedometer, ammeter, voltmeter and demountable rims

Price .....\$10,000

# AMERICAN-LA FRANCE Combination CHEMICAL ENGINE AND HOSE CAR—TYPE B



## AMERICAN-LA FRANCE FIRE ENGINE COMPANY, INC., Elmira, N. Y.

COLOR, Optional Position of Driver, Left side WHEELBASE, 140 inches GAUGE, 58 inches WHEELS, Wood FRONT TIRES, 36 x 4 inches, single cushion REAR TIRES, 36 x 5 inches, dual cushion SERVICE BRAKE, Contracting on rear wheels EMERGENCY BRAKE, Expanding on rear wheels CYLINDERS, Four ARRANGED, Vertically CAST, En bloc Horsepower, 27.23 (N. A. C. C. Rating) Bore and Stroke, 41/2 x 51/4 inches LUBRICATION, Force feed and splash

RADIATOR, Cellular Cooling, Water pump IGNITION, High-tension magneto STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Gas VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Cone TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Side chain REAR AXLE, Dead Steering Gear, Worm and gear

PRICE INCLUDES speedometer, ammeter, voltmeter and demountable rims

Price .....\$3000

# AMERICAN LA-FRANCE Aerial HOOK AND LADDER TRUCK—TYPE 31



## AMERICAN-LA FRANCE FIRE ENGINE COMPANY, INC., Elmira, N. Y.

Color, Optional Position of Driver, Right side WHEELBASE, 333 inches GAUGE, Front inner, 671/4 inches; front outer, 7644 inches; rear, 62 inches WHEELS, Front, cast steel; rear, wood FRONT TIRES, 38 x 4 inches dual solid REAR TIRES, 42 x 4 inches single solid SERVICE BRAKE, Expanding on front EMERGENCY BRAKE, Expanding on front wheels CYLINDERS, Four ARRANGED, Vertically Cast, In pairs HORSEPOWER, 48.4 (N. A. C. C. Rating) Bore and Stroke, 51/2 x 6 inches LUBRICATION, Force feed and splash

RADIATOR, Cellular COOLING, Water pump IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gear to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse Drive, Side chain REAR AXLE, Dead Steering Gear, Front, worm and sleeve; rear, worm and sector

PRICE INCLUDES speedometer, ammeter, voltmeter and demountable rims

Price ......\$9500 to \$11,000

# AMERICAN-LA FRANCE MOTOR Steam FIRE ENGINE—TYPE 31



### AMERICAN-LA FRANCE FIRE ENGINE COMPANY, INC., Elmira, N. Y.

Position of Driver, Right side WHEELBASE, 126 inches GAUGE, Front inner, 671/4 inches; front outer, 76¾ inches; rear, 62 inches WHEELS, Front, cast steel; rear, wood FRONT TIRES, 38 x 4 inches dual solid REAR TIRES, 60 x 4 inches single solid SERVICE BRAKE, Expanding on front wheels EMERGENCY BRAKE, Expanding on front wheels CYLINDERS, Four ARRANGED, Vertically CAST, In pairs Horsepower, 48.4 (N. A. C. C. Rating) Bore and Stroke, 51/2 x 6 inches

LUBRICATION, Force feed and splash

Color, Optional

RADIATOR, Cellular Cooling, Water pump IGNITION, High-tension magneto and storage battery STARTING SYSTEM, Two unit STARTER OPERATED, Gcar to fly wheel LIGHTING SYSTEM, Electric VOLTAGES, Six WIRING SYSTEM, Single GASOLINE SYSTEM, Gravity CLUTCH, Dry multiple disc TRANSMISSION, Selective sliding GEAR CHANGES, Three forward, one reverse DRIVE, Side chain REAR AXLE, Dead STEERING GEAR, Worm and sleeve

PRICE INCLUDES speedometer, ammeter, voltmeter and demountable rims

Price .....\$8500

.

ILLUSTRATIONS AND SPECIFICATIONS ELECTRIC COMMERCIAL VEHICLES

#### THE WARD SPECIAL



#### WARD MOTOR VEHICLE COMPANY, Mt. Vernon, N. Y.

Color, Brewster green

CARRYING CAPACITY, 750 pounds

Bony, Length (front of seat to rear of hody), 100 inches; Width (outside), 45 inches

WHEELBASE, 88 inches

Gauge, 56 inches

WHEELS, Wood

FRONT TIRES, 32 x 21/2 inches, single solid

REAR TIRES, 32 x 21/2 inches, single solid

Brake Systems, Foot brake expanding into rear hubs, hand brake operating on propeller shaft

BATTERY, 42 cell, 9 thin plate lead; 65 cell, G-4 Edison

Speed, 10 miles per hour

No. Forward Speeds, Four

No. Reverse Speeds, Two

CONTROL, Lever on steering post

STEERING, Wheel

#### AMERICAN-ARGO—K-10



#### ARGO ELECTRIC VEHICLE COMPANY, Saginaw, Michigan

COLOR, Optional

CARRYING CAPACITY, 1000 pounds

Body:

LENGTH ALL OVER, 1291/2 inches WIDTH ALL OVER, 68 inches

WHEELBASE, 86 inches

GAUGE, 54 inches

TIRE DIMENSIONS:

FRONT, 34 x 3 inches (cushion or solid)
REAR, 34 x 3 inches (cushion or solid)

Brake Systems, Double expanding on rear wheels

BATTERY, 40 cells, 11 plate

Speed, 16 miles per hour

No. FORWARD SPEEDS, Four

No. Reverse Speeds, Two

CONTROL, Lever operated

STEERING, Wheel

#### WALKER Two-Ton TRUCK



#### WALKER VEHICLE COMPANY, Chicago, Illinois

COLOR, Lead

CARRYING CAPACITY, 4,000 pounds

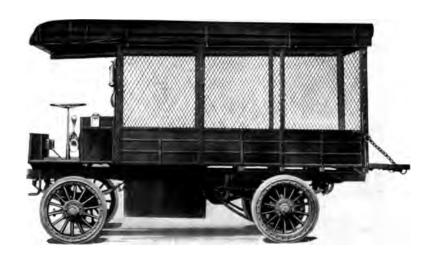
BODY:

Length all over, 115 inches minimum
Width all over, 47 inches minimum
WHEELBASE, 107 inches minimum
GAUGE, 56 inches
WHEELS, Pressed steel
FRONT TIRES, 38 x 4 inches (single solid)

REAR TIRES, 38 x 6 inches (single solid)
BRAKE SYSTEMS, Expanding and Contracting on rear wheels
BATTERY, To suit conditions
SPEED, 13 miles per hour
No. FORWARD SPEEDS, Five
No. REVERSE SPEEDS, Five
CONTROL, Lever operated
STEERING, Wheel

Price, chassis without battery.....\$2000

#### G. V. ELECTRIC Two-Ton TRUCK ·



#### GENERAL VEHICLE COMPANY, Inc., Long Island City, New York

Color, Lead

CARRYING CAPACITY, 4000 pounds

LENGTH ALL OVER, 120 inches WIDTH ALL OVER, 56 inches

WHEELBASE, 111 inches

GAUGE, 61 inches

WHEELS, Wood

FRONT TIRES, 36 x 4 inches, single solid | STEERING, Wheel

REAR TIRES, 36 x 3 inches, dual solid

BRAKE Systems, Expanding on rear wheels and contracting on countershaft

BATTERY, 44 cells, 17 plate

SPEED, 9 miles per hour

No. FORWARD SPEEDS, Five

No. Reverse Speeds, Two

CONTROL, Lever operated

#### COUPLE-GEAR 31/2-Ton TRUCK



#### COUPLE-GEAR FREIGHT-WHEEL CO., Grand Rapids, Michigan

COLOR, Battleship grey

CARRYING CAPACITY, 7,000 pounds

BODY:

LENGTH OVER ALL, 180 inches
WIDTH OVER ALL, 66 inches
WHEELBASE, 94 inches
GAUGE, 66 inches
WHEELS, Steel

Tires, 36 x 4 inches, dual on all wheels

Brake System, 17 x 2 inches, double-acting contracting type on all wheels

BATTERY, 44 cells, 23 plate

SPEED, Nine miles per hour

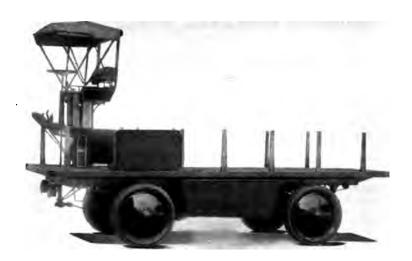
NUMBER OF SPEEDS, Five forward and re-

CONTROL, Street car type of controller, lever operated

Steering, Irreversible wheels operated, actuating all wheels

Price, with body and full top......\$4600

#### COUPLE-GEAR Five-Ton TRUCK



#### COUPLE-GEAR FREIGHT-WHEEL CO., Grand Rapids, Michigan

COLOR, Battleship grey
CARRYING CAPACITY, 10,000 pounds
BODY:

LENGTH OVER ALL, 180 inches Width Over All, 72 inches

WHEELBASE, 94 inches

GAUGE, 68 inches

WHEELS, Steel

Tires, Dual, 5 x 36 inches on all wheels

Brake System, 17 x 2½ inches double acting contracting type on all wheels

BATTERY, 44 cells, 27 plate

SPEED, Seven miles per hour

Number of Speeds, Five forward and re

CONTROL, Street car type of controller, lever operated

STEERING GEAR, Irreversible wheel type, actuating all wheels

Price, with body as shown.....\$4800

# AMERICAN SPEEDWAY STATISTICS FOR 1915 SEASON

## INDIANAPOLIS 500-MILE RACE, INDIANAPOLIS, IND., MAY 31

# Number of starters, 24. Number to finish, 11. Total prize money, \$50,000

Car and driver	Order	of finis	h Time	M.P.H.	Purse
Mercedes, R. de Palma		1	5:33:55.51	89.84	\$20,000
Peugeot, Resta		2	5:37:24.94	88.91	10,000
Stutz, Anderson		3	5:42:27.58	87.60	5,000
Stutz, E. Cooper		4	5:46:19.36	87.11	3,500
Duesenberg, O'Donnell		5	6:08:13.27	81.47	3,000
Peugeot, Burman		6	6:13:19.61	80.36	2,200
Stutz, Wilcox		7	6:14:19.73	80.14	1,800
Duesenberg, Alley		8	6:15:08.01	<b>79.97</b>	1,600
Maxwell, Carlson		9	6:19:55.90	<b>78.96</b>	1,500
Sunbeam, Von Raalte		10	6:35:23.43	75.79	1,400
Emden, Haupt		11	7:03:30.00	70.86	

#### CHICAGO 500-MILE RACE, CHICAGO, ILL., JUNE 26

#### Number of starters, 21. Number to finish, 12. Total prize money, \$54,000

Car and driver Orde	r of fir	ish Time	M.P.H.	Purse
Peugeot, Resta	1	5:07:26.00	97.58	\$23,000
Sunbeam, Porporato	2	5:10:50.45	96.50	11,000
Maxwell, Rickenbacher		5:11:50.23	96.43	5,000
Stutz, E. Cooper	4	5:15:59.15	95.00	3,500
Sunbeam, Grant	5	5:18:11.58	94.30	3,000
Stutz, Anderson		5:20:09.86	93.90	2,000
Delage, Chevrolet	7	5:23:05.67	92.90	1,800
Peugeot, Burman	8	5:25:12.61	92.20	1,700
Duesenberg, Alley	9	5:28:33.88	91.30	1,600
Sebring, J. Cooper		5:32:10.42	90.40	1,400
Peugeot, Babcock	11	5:39:19.28	88.40	
Sunbeam, Von Raalte	12	5:59:59.85	83.30	

#### SIOUX CITY 300-MILE RACE, SIOUX CITY, IA., JULY 3

#### Number of starters, 15. Number to finish, 6. Total prize money, \$15,000

Car and driver	Order of fin	iish Time	M.P.H.	Purse
Maxwell, Rickenbacher.	1	4:00:56.91	74.70	\$6,000
Duesenberg, O'Donnell.	<b>2</b>	4:03:21.05	74.00	2,500
Duesenberg, Alley	3	4:12:31.71	71.25	1,500

SIOUX CITY 300-	MII	F BACE_C	ontinued	
SIOUA CITT 300-	-1AT 1 T	E RACE-C	onthiued.	
Car and driver Order	of fir	nigh Time	M.P.H.	Purse
Duesenberg, Chandler			65.85	\$1,000
Duesenberg, Chandler	*	4:33:21.30 4:39:40.77		
Maxwell, Orr			64.40	750
White, Shrunk	6	4:54:08.03	61.20	600
OMAHA 302-MILE RA	CF	OMAHA NE	R IIII Y	5
Number of starters	-	-		•
		ney, \$15,000		
_				-
Car and driver Order	to hn		M.P.H.	Purse
Maxwell, Rickenbacher	1	3:17:32.2	91.74	<b>\$</b> 7,000
Duesenberg, O'Donnell	2	3:30:27.7	86.16	3.000
Maywell Orr	3	3.40.17.3	82.30	2,000
Emdem Develdeer	4	4.40.09.4	62.39	1,000
Duesenberg, O'Donnell Maxwell, Orr. Emdem, Donaldson	4	4:40:00.4	02.39	
DuChesneau, Brown—Running	wnei			11
		hith	money	800
TACOMA 250-MILE MONT.	AMA	RATHON, T	ACOMA, \	Wash.,
	JUL	-	·	
		-		
Number of starters,	13.	Number to	finish, 5.	
		oney, \$5,500	•	
<u>-</u>				_
Car and driver Order	of fin	ish Time	M.P.H.	Purse
Mercer, Ruckstell	1	2:57:00.00	84.80	<b>\$2,500</b>
Stutz, É. Cooper	2	2:58:50.00	83.78	1,500
Mercer, Pullen	3	2:58:55.00	83.73	950
Daves at D.	4			550
Peugeot, Burman		3:08:44.00	<b>79.47</b>	
Peugeot, Oldfield	5	3:17:58.00	75.77	• • • •
TACOMA 200-MILE F	ОТІ	ATCH TROI	DUV DAC	F
		SH., JULY 5	mi kac	E
•		•		
Number of starters			finish, 4.	
Total priz	e m	oney, \$3,500		
Car and driver Order	of 6-	ich Time	M.P.H.	Purse
Mercer, Pullen				
wiercer, Fullen		2:21:24.40	85.20	<b>\$</b> 2,000
Stutz, Cooper	2	2:21:35.00	84.75	1,000
Peugeot, Oldfield	3			500
Mercer, Ruckstell	4			
TACOMA 100-MILE INTERC	ITV	CUP BACE	TACOMA	WASH
			i acoma,	WADII.
	ULY			
Number of starters,	10.	Number to	finish, 5.	
		oney, \$1,500		
				_
		ish Time	M.P.H.	Purse
Parsons' special, Parsons	1	1:15:27.00	79.50	<b>\$800</b>
National, Barsby	3			700
Gordon special, Elliott				400
and a special survey.	-			200

	٠,
way nesneau, Brown	1
Clergy special, Barndollar	.5
Cooling special, Henderson	6
White, Shrunk	7
Ogren, Alley	8

# TWIN CITY 500-MILE RACE, SEPTEMBI

# Number of starters, 14. 1 Total prize mone

Car and driver	Order o	of fin	ish
Stutz, E. Cooper		1	£
Stutz, Anderson		2	5
Duesenberg, O'Donnell.		3	6
Ogren, Alley		4	6
Sebring, Haibe		5	6
Duesenberg, Haupt		6	6
Duesenberg, Chandler—	Running	whe	n ra
seventh money			
Delage, Oldfield—Runni	ng when	race	was
money	-		

PROVIDENCE 100-MILE RACE, SEPTEMBER

Number of starters, 14. Nu

# SHEEPSHEAD BAY 350-MILE RACE, NEW YORK, OCTOBER 9 Number of starters, 20. Number to finish, 6.

#### Total prize money, \$50,000

Car and driver	Order of finis	h Time	M.P.H.	Purse
Stutz, Anderson	1	3:24:42.00	102.56	\$20,000
Stutz, Rooney	<b>2</b>	3:25:29.00	102.20	10,000
Duesenberg, O'Donnell.	3	3:39:55.00	100.04	5,000
Ogren, Alley	4	3:47:03.00	93.90	4,000
Duesenberg, Henderson.	5	3:47:26.00	93.70	3,000
Delage, Limberg	6	4:09:23.00	84.07	2,000
Sebring, Haibe—Running seventh money	ng when race			n 1,400
Mulford special, Vail—R eighth money	unning when	race was call	ed but give	n 1,200

# SUMMARY OF SPECIAL SPEEDWAY EVENTS IN 1915

#### CHICAGO 100-MILE INVITATION RACE, CHICAGO, AUGUST 7

Car and driver Peugeot, Resta Stutz, E. Cooper Peugeot, Burman Delage, Oldfield	2 3	Time 58:54.20 49:39.40 61:22.40 d at 90 mil	M.P.H. 101.86 100.58 97.78	Purse \$1,250 1,250 1,250 1,250
Delage, Oldheid	Flagge	d at yu mii	es	1,250

## SHEEPSHEAD BAY 100-MILE INVITATION RACE NEW YORK, NOVEMBER 2

Car and driver	Order of finish	Time	M.P.H.	Purse
Peugeot, Resta	1	56:55.71	105.30	<b>\$3,500</b>
Peugeot, Burman	<b>2</b>	58:38.95	102.43	2,500
Maxwell, Rickenbacher.		:01:00.59	98.33	2,000
Peugeot, Mulford		92 miles		1,500
Mercedes, R. de Palma.	Out at	40 miles		1,500
Peugeot, Aitken	Out at	12 miles		1.500

# PROVIDENCE 25-MILE RACE, PROVIDENCE, R. I. SEPTEMBER 18

Car and driver	Order of finish	Time	M.P.H.	Purse
Peugeot, Burman	1	21:29.96	69.76	<b>\$400</b>
Stutz, R. de Palma	<b>2</b>	21:31.50	69.69	300
Duesenberg, Haupt	3	22:01.45	68.10	200
Peugeot, Jones	4	22:10.85	67.62	100



# PRINCIPAL PNEUMATIC AUTOMOBILE TIRES MADE IN AMERICA

#### PNEUMATIC AUTOMOBILE TIRES

Table of Important Practically	
28 x 3	33 x 4½
30 x 3	$34 \times 4\frac{1}{2}$
	$35 \times 4\frac{1}{2}$
$30 \times 3\frac{1}{2}$	$36 \times 4\frac{1}{2}$
$31 \times 3\frac{1}{2}$	$37 \times 4\frac{1}{2}$
$32 \times 3\frac{1}{2}$	
$34 \times 3\frac{1}{2}$	35 x 5
	36 x 5
31 x 4	37 x 5
32 x 4	
33 x 4	$38 \times 5\frac{1}{2}$
34 x 4	
35 x 4	
36 x 4	•

32 x 3	33 x 5
	34 x 5
$28 \times 3\frac{1}{2}$	39 x 5
36 x 3½	43 x 5
30 x 4	$34 \times 5\frac{1}{2}$
37 x 4	$35 \times 5\frac{1}{2}$
38 x 4	$36 \times 5\frac{1}{2}$
40 x 4	$37 \times 5\frac{1}{2}$
$32 \times 4\frac{1}{2}$	37 x 6
$38 \times 4\frac{1}{2}$	38 x 6
$40 \times 4\frac{1}{2}$	39 x 6
$42 \times 4\frac{1}{2}$	

#### PNEUMATIC AUTOMOBILE TIRES

#### INFLATION TABLE

Size	Inflation	Rear Weight	Front Weight
28 x 3	60 lbs.	350 lbs.	425 lbs.
30 x 3	65 lbs.	375 lbs.	450 lbs.
30 x 3½	70 lbs.	450 lbs.	550 lbs.
31 x 3½	70 lbs.	475 lbs.	575 lbs.
32 x 3½	70 lbs.	500 lbs.	600 lbs.
34 x 3½	70 lbs.	550 lbs.	650 lbs.
31 x 4	75 lbs.	635 lbs.	775 lbs.
32 x 4	75 lbs.	650 lbs.	800 lbs.
33 x 4	75 lbs.	675 lbs.	850 lbs.
34 x 4	75 lbs.	700 lbs.	875 lbs.
35 x 4	80 lbs.	735 lbs.	885 lbs.
36 x 4	80 lbs.	750 lbs.	900 lbs.
33 x 4½	85 lbs.	800 lbs.	1000 lbs.
34 x 4½	85 lbs.	900 lbs.	1125 lbs.
35 x 41/2	85 lbs.	935 lbs.	1175 lbs.
36 x 4½	85 lbs.	975 lbs.	1225 lbs.
37 x 4½	90 lbs.	1010 lbs.	1260 lbs.
35 x 5	90 lbs.	1000 lbs.	1250 lbs.
36 x 5	100 lbs.	1050 lbs.	1300 lbs.
37 x 5	100 lbs.	1100 lbs.	1350 lbs.
38 x 5½	110 lbs.	1200 lbs.	1450 lbs.

# THE ACME RUBBER MFG. CO. Trenton, N. J.

#### Pneumatic Automobile Tires

Acme Plain Tread
Acme Dimple Tread
Acme Hemisphere Tread

#### THE ACME GUARANTEE

We guarantee all pneumatic automobile tires bearing our name and serial number to be free from imperfections in material and workmanship. Tires returned under this guarantee will be accepted only when charges are prepaid. If after examination we consider claim well founded, repairs or replacement will be made at our option. Charge will be made for mileage estimated by us to have been given by returned tires when same are replaced. Tires worn out in service, misused, used on imperfect or damaged rims, injured by accident or otherwise, or in which any substitute for air is used are not covered by this guarantee. Adjustments will be made on a satisfactory mileage basis. When used under proper conditions and with reasonable care, ACME tires will be found to give considerably more than the adjustment mileage, in fact greater mileage service than any other pneumatic tire on the market.

# THE BATAVIA RUBBER CO. Batavia, N. Y.

#### Pneumatic Automobile Tires

Batavia Plain Tread
Batavia Security Tread

#### THE BATAVIA GUARANTEE

We guarantee all pneumatic automobile tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be replaced at our option.

When tires are adjusted by us, charges will be made to owners at the time new tires are delivered, based upon a total minimum service to the service already rendered by the replaced tires.



Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing these stamps, injured through accident or design, are not covered by this guarantee.

All guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air; or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to the pressures recommended by us.

# BRAENDER RUBBER & TIRE CO. Rutherford, N. J.

## Pneumatic Automobile Tires

Braender Plain Tread Braender Non-Skid

### THE BRAENDER GUARANTEE

We guarantee all pneumatic automobile tires bearing our name and serial number to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us, charges will be made to owners at the time new tires are delivered for such amounts as in our judgment will compensate for the service rendered by such replaced tires.



Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing these stamps, injured through accident or design, are not covered by this guarantee.

Braender Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any or all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air or who uses them under weights in excess of those for which the various tires are recommended or who does not keep tires inflated to the pressures recommended by us.

## CONTINENTAL RUBBER WORKS Erie, Pa.

### Pneumatic Automobile Tires

Vitalic Plain Tread Vitalic Non-Skid

### THE VITALIC GUARANTEE

We guarantee all pneumatic automobile tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us, charges will be made to owners, at the time new tires are delivered, for such amounts as in our judgment will compensate for the service rendered by such replaced tires, under the terms of this guarantee, on the basis of 3,500 miles.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing these stamps, injured through accident or design, are not covered by this guarantee.



VITALIC Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air or who uses them under weights in excess of those for which the various tires are recommended or who does not keep tires inflated to the pressures recommended by us.

# FIRESTONE TIRE & RUBBER COMPANY Akron, Ohio

### Pneumatic Automobile Tires

Firestone Non-Skid
Firestone Smooth Tread

### THE FIRESTONE GUARANTEE

We guarantee all pneumatic automobile tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us, charges will be made to owners at the time new tires are delivered for such amounts as in our judgment will compensate for the service rendered by such replaced tires.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing these stamps, injured through accident or design, are not covered by this guarantee.







Firestone Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any or all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air, or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to the pressures recommended by us.

# THE FISK RUBBER CO. Chicopee Falls, Mass.

## Pneumatic Automobile Tires

Fisk Non-Skid Fisk Red Top Fisk Plain Tread

### THE FISK GUARANTEE

We guarantee all pneumatic automobile tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us charges will be made to owners at the time new tires are delivered, for such amounts as in our judgment will compensate for the service rendered by such replaced tires.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing the official stamp of the Clincher Automobile Tire Manufacturer's Association, injured through accident or design, are not covered by this guarantee.

Fisk Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air; or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to the pressures recommended by us.

# GLOBE RUBBER TIRE MFG. CO., INC. Trenton, N. J.

## Pneumatic Automobile Tires

Globe Plain Tread Globe Good Grip Tread

### THE GLOBE GUARANTEE

We guarantee all Globe tires bearing our name and serial number to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option on the following basis:

PLAIN TREAD 5,000 MILES GOOD GRIP TREAD 6,000 MILES IN FORD SIZES PLAIN TREAD 6,000 MILES GOOD GRIP TREAD 7,500 MILES

When tires are replaced by us, charges will be made to owners at the time new tires are delivered for such amounts as in our judgment will compensate for the service rendered by such replaced tires on basis of list prices.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing standard stamps, injured through accident or design, are not covered by this guarantee.

No adjustments are allowed on GLOBE tires in which the user has used any substitute for air, or when the condition of the tire shows it has been subjected to overloading above specified weights, or when tire has not been inflated to the recommended pressure.

# THE B. F. GOODRICH COMPANY Akron, Ohio

## Pneumatic Automobile Tires

Goodrich Silvertown Great Safety Tread
Goodrich Silvertown Ribbed Tread
Goodrich Black Safety Tread
Goodrich Bailey Tread
Goodrich Safety Tread
Goodrich Metal Stud

### THE GOODRICH GUARANTEE

We guarantee all pneumatic automobile tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us, charges will be made to owners, at the time new tires are delivered, for such amounts as in our judgment will compensate for the service rendered by such replaced tires.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing these stamps, injured through accident or design, are not covered by this guarantee.



Goodrich Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air; or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to the pressures recommended by us,

# THE GOODYEAR TIRE & RUBBER CO. Akron, Ohio

## Pneumatic Automobile Tires

## Smooth Tread All-Weather Tread

We guarantee all pneumatic automobile tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If upon examination it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us, charges will be made to owners at the time new tires are delivered for such amounts as in our judgment will compensate for the services rendered by such replaced tires.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing stamps No. 1 or No. 2, or on wire wheels not bearing stamp No. 3, injured through accident or design are not covered by this guarantee.







Goodyear Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air; or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to the pressures recommended by us.

# KELLY-SPRINGFIELD TIRE CO. 229 West 57th Street, New York City

## Pneumatic Automobile Tires

Kelly-Springfield Plain Tread Kelly-Springfield Kant-Slip Tread

### THE KELLY-SPRINGFIELD GUARANTEE

We insure all pneumatic tires bearing our name and serial number to be free from imperfections in material and workmanship, and if, upon examination, we find them to be defective, we will replace them upon the following basis:

> Plain Tread 5,000 miles Kant Slip Tread 6,000 miles In Ford Sizes Plain Tread, 6,000 miles Kant Slip Tread 7,500 miles

Tires which have been worn out in unusual service, which have been abused or misused intentionally, or applied to rims not bearing stamp 1—or on transversely cut rims not bearing stamp 2—or on wire wheels not bearing stamp 3, or tires which have







been accidentally or purposely injured, are not subject to adjustment. No adjustment will be made on Kelly-Springfield Pneumatic Tires when the purchaser has used in them any substitute for air or in circumstances where the tires have been subjected to overloading above the weight we specify for the respective sizes, or in cases where the tires have not been kept inflated up to the pressures recommended by us.

# LANCASTER TIRE & RUBBER CO. Lancaster, Ohio

### Pneumatic Automobile Tires

Plain Tread Grip Tread Wire Tread Non-Skid

### THE LANCASTER GUARANTEE

We guarantee all Pneumatic Automobile Tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us charges will be made to owners at the time new tires are delivered, for such amounts as in our judgment will compensate for the service rendered by such replaced tires.

Claims will be adjusted on a basis of 5,000 miles for Plain Tread Casings, and 6,000 miles for Grip and Wire Tread Casings.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing the official stamp of the Clincher Automobile Tire Mfr's Ass'n, injured through accident or design are not covered by this guarantee.

Any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air; or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires in-flated to the pressures recommended by us.

# THE LEATHER TIRE GOODS CO. Niagara Falls, N. Y.

## Pneumatic Automobile Tires

Woodworth Trouble-Proof Non-Skid Woodworth Trouble-Proof Plain Tread

### THE WOODWORTH GUARANTEE

All Woodworth Treads are guaranteed to be free from defects in material and workmanship. If any Woodworth Tread shows defect even after *thousands* of miles of running, it will be repaired free of charge upon being returned to the factory. Transportation prepaid or a fair allowance will be made towards a new one.

When a tread appears to be beyond repair it is not necessary to go to the expense of returning it; it is only necessary to cut out a small piece two or three inches square from the middle part where the wear comes and mail it to the factory for examination and at the same time write, telling how far the tread has been run and what size and style it is.

### LEE TIRE & RUBBER CO.

Conshohocken, Pa.

## Pneumatic Automobile Tires

Lee Puncture Proof
Lee Regular Smooth Tread
Lee Zig-Zag Non-Skid

### THE LEE GUARANTEE

We guarantee all pneumatic automobile tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option. When tires are replaced by us, charges will be made to owners at the time new tires are delivered for such amounts as in our judgment will compensate for the service rendered for such replaced tires.

Tires worn out in usual or unusual service, knowingly or unknowingly, misused, used on rims not bearing these stamps, injured through accident or design, are not covered by this guarantee.







Lee Pneumatic Automobile Tires are not guaranteed to give any definite miles of service and any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air; or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to the pressures recommended by us.

LEE PUNCTURE-PROOF PNEUMATIC TIRES, bearing our name and serial number, are guaranteed to give 3,500 miles of service without puncture. If punctured with 3,500 miles by a nail or other sharp object penetrating the inner tube, we shall make refund as per the schedule given below, and repair the tire free of charge.

#### **SCHEDULE**

#### OF GUARANTEED REFUND IN CASE OF PUNCTURE

3	inch	6.00	Ne
31/2	inch	8.00	"
4	inch	10.00	"
41/2	inch	11.00	66
5	inch	13.00	"
51/2	inch	14.00	44

# THE L. & M. RUBBER COMPANY Carrollton, Ohio

## Pneumatic Automobile Tires

Buckskin Plain Tread Buckskin Non-Skid

No guarantee.

# MICHELIN TIRE COMPANY Milltown, N. J.

## Pneumatic Automobile Tires

### Universal Tread

Michelin Pneumatic Automobile Tires are sold without liability for damages, direct or consequential to persons or property resulting from defects patent or latent or any cause whatsoever, nor are our tires guaranteed for any specific mileage.

# MIDGLEY TIRE AND RUBBER COMPANY Lancaster, Ohio

## Pneumatic Automobile Tires

Midgley Plain Tread Midgley Grip Tread Midgley Wire Tread

### THE MIDGLEY GUARANTEE

We guarantee all pneumatic automobile tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us charges will be made to owners at the time new tires are delivered, for such amounts as in our judgment will compensate for the service rendered by such replaced tires.

Claims will be adjusted on a basis of 5,000 miles for Plain Tread Casings, and 6,000 miles for Grip and Wire Tread Casings.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing the official stamp of the Clincher Automobile Tire Mfr's Ass'n, injured through accident or design are not covered by this guarantee.

Any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air; or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to the pressures recommended by us.

# THE MILLER RUBBER COMPANY Akron, Ohio

## Pneumatic Automobile Tires

Smooth Tread Geared-to-the-Road

### THE MILLER GUARANTEE

We guarantee all Pneumatic Automobile Tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us, charges will be made to owners at the time new tires are delivered, for such amounts as in our judgment will compensate for the services rendered by such replaced tires.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, injured through accident or design, used on rims not bearing these stamps, are not covered by this guarantee.







Miller Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air; or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to the pressures recommended by us.

# THE NORWALK TIRE AND RUBBER CO., INC. Norwalk, Conn.

## Pneumatic Automobile Tires

Norwalk Smooth Tread Norwalk Non-Skid

### THE NORWALK GUARANTEE

We guarantee all pneumatic automobile tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us, charges will be made to owners at the time new tires are delivered, for such amounts as in our judgment will compensate for the service rendered by such replaced tires.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on other than standard rims, injured through accident or design, are not covered by this guarantee.

Norwalk Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air; or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to the pressures recommended by us.

# PENNSYLVANIA RUBBER COMPANY Jeannette, Pa.

## Pneumatic Automobile Tires

Pennsylvania Non-Skid Pennsylvania Ebony Tread

### THE PENNSYLVANIA GUARANTEE

Pennsylvania Tires will give satisfactory service with fair treatment under normal road conditions. They are guaranteed against imperfections in material and workmanship, and if defects appear within one year from the date of original sale we will make an adjustment, taking into consideration the mileage covered by the tire and assuming that its normal service would have been 4,000 miles (6,000 miles of Vacuum Cup Tires). For Ebony Tread—5,000 miles.

This mileage is taken only as a fair basis for adjustment. The actual service afforded will be greater or less, according to the treatment the tires receive.

Blow-outs are caused by a gradual breaking of the fabric, due to:

Under-inflation, Punctures, Deep cuts and stone bruises.

Undue wear caused by:

Overloading, High Speed, Wheel out of alignment.

No tires are proof against abuse.

# REPUBLIC RUBBER COMPANY Youngstown, Ohio

## Pneumatic Automobile Tires

Republic Plain Tread
Republic Staggard Tread

### THE REPUBLIC GUARANTEE

We guarantee all Republic Pneumatic Automobile Tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us charges will be made to owners at the time new tires are delivered, for such amounts as in our judgment will compensate for the services rendered by such replaced tires.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing one of these stamps, injured through accident or design are not covered by this guarantee.





Republic Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air; or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to the pressures recommended by us.

# THE SWINEHART TIRE & RUBBER CO. Akron, Ohio

## Pneumatic Automobile Tires

Swinehart Smooth Tread Swinehart Non-Skid

### THE SWINEHART GUARANTEE

We guarantee all pneumatic automobile tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us, charges will be made to owners, at the time new tires are delivered, for such amounts as in our judgment will compensate for the service rendered by such replaced tires.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing these stamps, injured through accident or design, are not covered by this guarantee.



Swinehart Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air, or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to the pressures recommended by us.

### 

## Pneumatic Automobile Tires

Quaker Plain Tread Quaker T. T. T. Non-Skid

### THE QUAKER GUARANTEE

Quaker Plain Tread 4,600 miles Quaker T. T. T. Non-Skid 5,000 miles

# THERMOID RUBBER COMPANY Trenton, N. J.

## Pneumatic Automobile Tires

Nassau Round Tread Nassau Non-Skid

### THE THERMOID GUARANTEE

Nassau Tires are still guaranteed against defects on mileage basis of 3,500 miles. If, upon examination, the tire is in our judgment defective it will be repaired or replaced. If replaced we will charge for the service which in our judgment was rendered by the replaced tire.

# TYER RUBBER COMPANY Andover, Mass.

## Pneumatic Automobile Tires

Tyrian Smooth Tread
Tyrian Hold-Tite Anti-Skid

### THE TYER GUARANTEE

We guarantee all pneumatic automobile tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us, charges will be made to owners at the time when tires are delivered, for such amounts as in our judgment will compensate for the service rendered by such replaced tires.

Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing the official stamp of the Clincher Automobile Tire Manufacturing Association, injured through accident or design, are not covered by this guarantee.

Tyrian Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air, or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to pressures recommended by us.

# UNITED STATES TIRE COMPANY — Broadway at 58th Street, New York City —

## Pneumatic Automobile Tires

United States Royal Cord Tread
United States Nobby Tread
United States Chain Tread
United States Usco Tread
United States Plain Tread

### THE UNITED STATES TIRE GUARANTEE

We guarantee all pneumatic automobile tires, bearing our name and serial number, to be free from imperfections in material and workmanship. Tires returned for consideration under this guarantee will be accepted only when all transportation charges are prepaid. If, upon examination, it is our judgment that tires are defective, they will be repaired or replaced at our option.

When tires are replaced by us, charges will be made to owners at the time new tires are delivered, for such amounts as in our judgment will compensate for the service rendered by such replaced tires. Tires worn out in usual or unusual service, abused knowingly or unknowingly, misused, used on rims not bearing these stamps, injured through accident or design, are not covered by this guarantee.



United States Pneumatic Automobile Tires are not guaranteed to give any definite miles of service, and any and all guarantees are expressly waived by any purchaser of these tires who uses therein any substitute for air; or who uses them under weights in excess of those for which the various tires are recommended, or who does not keep tires inflated to the pressures recommended by us.

•

.

	CATALOG REQUEST BLANK (To be mailed direct to the manufacturer)
GENTLEM P as shown in oblige,	EEN:— lease send me catalogue describing your automobiles a McClure's Magazine Automobile Year Book, and
Name	
Address	
	CATALOG REQUEST BLANK (To be mailed direct to the manufacturer)
GENTLEM P	lease send me catalogue describing your automobiles
as shown ir oblige,	McClure's Magazine Automobile Year Book, and
as shown ir oblige, Name	n McClure's Magazine Automobile Year Book, and
	n McClure's Magazine Automobile Year Book, and
as shown ir oblige, Name	CATALOG REQUEST BLANK
GENTLEM Pas shown in	CATALOG REQUEST BLANK (To be mailed direct to the manufacturer)
as shown in oblige, Name Address	CATALOG REQUEST BLANK (To be mailed direct to the manufacturer)  Mease send me catalogue describing your automobiles

•